



NAVY TRAINING SYSTEM PLAN

FOR THE

AN/APX-100(V) TRANSPONDER SET

N88-NTSP-A-50-8305D/A

APRIL 2004

AN/APX-100(V) TRANSPONDER SET**EXECUTIVE SUMMARY**

The AN/APX-100(V) Transponder Set, from here on referred to as the AN/APX-100(V), automatically provides Identification Friend or Foe of an aircraft to all interrogator-equipped aircraft, ships, and ground forces within operational range. The AN/APX-100(V) also provides aircraft altitude data and flight identification for civilian and military air traffic control. The AN/APX-100(V) is currently in the Operations and Support phase of the Defense Acquisition System.

For aircraft applications, AN/APX-100(V) maintenance is performed per the Naval Aviation Maintenance Program, OPNAVINST 4790.2 series. Organizational level maintenance is performed by Navy Aviation Electronics Technicians (AT) and Marine Corps Aircraft Communications and Navigation Technicians with the appropriate aircraft Navy Enlisted Classification (NEC) or Military Occupational Specialty (MOS) code. Intermediate level maintenance is performed by AT personnel with NEC 6609 and Marine Corps personnel with MOS 6413. Aboard surface craft, Navy Electronics Technician (ET) personnel perform maintenance on the AN/APX-100(V) per the Issue of Ships' Maintenance and Material Management System, OPNAVINST 4790.4 series. Naval Aviation Depot North Island, California, performs depot level maintenance for the AN/APX-100(V).

Initial training has been completed. Follow-on training has been established for organizational and intermediate level maintenance personnel. Organizational maintenance training for the AN/APX-100(V) is conducted by the appropriate Maintenance Training Unit (MTU) for each type aircraft. Intermediate maintenance training for AT 6609 and ET personnel are conducted at MTU 1011 Center for Naval Aviation Technical Training Unit (CNATTU) Jacksonville, Florida; MTU 1007 CNATTU Oceana, Virginia; and MTU 1038 CNATTU Lemoore, California. Marine Corps personnel MOS 6413 attend intermediate maintenance training at Center for Naval Aviation Technical Training Marine Unit (CNATT MARUNIT) Cherry Point, North Carolina; and CNATT MARUNIT New River, North Carolina.

AN/APX-100(V) TRANSPONDER SET

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AN/APX-100(V) TRANSPONDER SET**LIST OF ACRONYMS**

ACDU	Active Duty
AIMD	Aircraft Intermediate Maintenance Department
AIMS	ATCRBS IFF Mark XII System
AMTCS	Aviation Maintenance Training Continuum System
AR	Active Reserve (USMC)
AT	Aviation Electronics Technician
ATCRBS	Air Traffic Control Radar Beacon System
BIT	Built-In Test
CAI	Computer-Aided Instruction
CFY	Current Fiscal Year
CIN	Course Identification Number
CMC	Commandant of the Marine Corps
CMM	Course Model Manager
CNATT	Center for Naval Aviation Technical Training (formerly NAMTRA)
CNATT MARUNIT	Center for Naval Aviation Technical Training Marine Training Unit
CNATTU	Center for Naval Aviation Technical Training Unit
CNO	Chief of Naval Operations
COMLANTFLT	Commander, Atlantic Fleet
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
COMPACFLT	Commander, Pacific Fleet
DAIR	Direct Altitude Identification Readout
ECP	Engineering Change Proposal
ET	Electronics Technician
FMS	Foreign Military Sales
FRS	Fleet Readiness Squadron
FY	Fiscal Year
GPETE	General Purpose Electronic Test Equipment
GPTE	General Purpose Test Equipment
HPRR	Human Performance Requirements Review
HPT	Human Performance Technology
ICW	Interactive Courseware

AN/APX-100(V) TRANSPONDER SET

LIST OF ACRONYMS

IFF	Identification Friend or Foe
IPB	Illustrated Parts Breakdown
LCAC	Air Cushioned Landing Craft
LCU	Utility Landing Craft
MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management Evaluation Program
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MHz	Megahertz
MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NADEP	Naval Aviation Depot
NATEC	Naval Air Technical Data and Engineering Service Command
NAVAIR	Naval Air Systems Command
NAVPERSCOM	Navy Personnel Command
NEC	Navy Enlisted Classification
NESEA	Naval Electronic Systems Engineering Activity
NETC	Naval Education and Training Command
NSWDG	Naval Special Warfare Development Group
NTSP	Navy Training System Plan
OJT	On-the-Job Training
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	OPNAV Instruction
OPO	OPNAV Principal Official
PBC	Coastal Patrol Boat
PFY	Prior Fiscal Year
PICA	Primary Inventory Control Activity
PJT	Practical Job Training
PMA	Program Manager, Air
PMOS	Primary Military Occupational Specialty
PNEC	Primary Navy Enlisted Classification

AN/APX-100(V) TRANSPONDER SET**LIST OF ACRONYMS**

PQS	Personnel Qualification Standards
RADCOM	Radar Communications
RFT	Ready For Training
RIB	Rigid Hull Inflatable Boat
RT	Receiver-Transmitter
SELRES	Selected Reserves
SIMA	Shore Intermediate Maintenance Activity
SMOS	Secondary Military Occupational Specialty
SNEC	Secondary Navy Enlisted Classification
SPETE	Special Purpose Electronic Test Equipment
SPTE	Special Purpose Test Equipment
SRA	Shop Replaceable Assembly
ST	Special Tool
TD	Training Device
TTE	Technical Training Equipment
TWR	Torpedo Weapons Retriever
WRA	Weapon Replaceable Assembly

AN/APX-100(V) TRANSPONDER SET**PREFACE**

This Approved Navy Training System Plan (NTSP) is an update to the Proposed NTSP for the AN/APX-100(V) Transponder Set, N88-NTSP-A-50-8305D/P dated February 2004. It was developed to comply with the guidelines set forth in the Navy Training Requirements Documentation Manual, Office of the Chief of Naval Operations (OPNAV) Publication P-751-1-9-97. Specifically, this NTSP reflects the following changes:

- Fleet comments to the Draft document were for the following activities which submitted comments:
 - N00T
 - CNATT
 - NATEC Detachment Miramar
- Subsequent to the web publishing of the Proposed version, another comment from CNATT revealed that MTU 1007 was erroneously referred to as MTU 1003 and also recommended substituting “AN/APM-421” in every case mentioning the “AN/APM-424” Test Station. These changes have been made throughout the document in this version.
- Applicable documents listing in Part I, Section M has been updated.
- Points of Contact information in Part VII has been updated.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronym.** AN/APX-100(V) Transponder Set
2. **Program Element.** PE64211N

B. SECURITY CLASSIFICATION

1. **System Characteristics** Unclassified
2. **Capabilities** Unclassified
3. **Functions** Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor CNO (N78)

OPO Resource Sponsor CNO (N78)

Developing Agency NAVAIR (PMA209)

Training Agency COMLANTFLT
COMPAFLT
CNATT
CMC

Training Support Agency NAVAIR (PMA205)

Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-40, PERS-404)

Director of Naval Education and Training CNO (N00T)

Commander, Reserve Program Manager COMNAVAIRESFOR (N4311)

Marine Corps Force Structure MCCDC (C53)

D. SYSTEM DESCRIPTION

1. **Operational Uses.** The AN/APX-100(V) Transponder Set is a Receiver-Transmitter (RT) that provides automatic Identification Friend or Foe (IFF) of an air or surface vehicle to all interrogator-equipped aircraft, ships, and ground forces within operational range of the system.

The AN/APX-100(V) also provides aircraft altitude reporting and tracking data necessary for civilian and military air traffic control. The AN/APX-100(V) is installed during production of the following Navy and Marine Corps aircraft: AH-1W, AV-8B, C-130T, C-20D/GIV, E-2C (Group II), F-14D, F/A-18 series (to Lot 18), HH-60H, HH-60J, KC-130T, RC-12F/M, SH-60B, SH-60F, T-45A, UC-12F/M, and V-22A aircraft. The AN/APX-100(V) has been retrofitted into E-2C (Group II) aircraft already in the Fleet.

AN/APX-100(V) is also employed aboard various special purpose platforms. These include the Air Cushioned Landing Craft (LCAC), Coastal Patrol Boat (PBC), MK2 (65' Explosive Ordnance Surface Craft), MK3 (65' Patrol Boat), MK4 (65' Special Forces Sea Craft), Rigid Hull Inflatable Boat (RIB), Torpedo Weapons Retriever (TWR), and Utility Landing Craft (LCU). It is also installed at the Naval Special Warfare Development Group (NSWDG), Fleet Combat Training Center, Atlantic; and at the Naval Electronic Systems Engineering Activity (NESEA). For surface craft applications, the AN/APX-100(V) provides IFF when interrogated.

2. Foreign Military Sales. The United States Army, Air Force, and Coast Guard employ several configurations of the AN/APX-100(V) in various aircraft. The Navy is the lead service for procurement of the AN/APX-100(V). Foreign Military Sales (FMS) of the AN/APX-100(V) include over 50 nations; many with the number of units procured dependent upon specific aircraft procurements. For additional information concerning FMS or other military procurements, contact the Program Manager, Air (PMA) 209.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. The Naval Research Laboratory, Washington, D.C., conducted the Technical Evaluation for the AN/APX-100(V) from January through April 1980. An Operational Evaluation was not required.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The AN/APX-100(V) partially replaced the AN/APX-72 and was retrofitted on a portion of the Fleet.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AN/APX-100(V) IFF Transponder Set is a multi-service space diversity transponder system normally mounted in both fixed-wing and rotary-wing aircraft. The transponder receives IFF interrogation at a frequency of 1030 Megahertz (MHz) originated and directionally beamed by a ground or airborne challenging station. Time separation of the interrogation pulses is used as a coded signal to determine the mode of response by the transponder. The transponder detects the radio interrogation signals, recognizes the discrete pulse spacing, and actuates transmission at 1090 MHz of the properly coded reply pulse trains. When received by the originating station, the reply pulse trains are decoded and used for purposes of identification, tracking, and altitude information.

The AN/APX-100(V) operates in conjunction with two AS-133(V)/APX Antennas, the KIT-1(V)/TSEC Communications Security Transponder Computer (Mode 4), and the CPU-66(V)/A Altitude Encoder (Mode C).

The AN/APX-100(V) is installed in two configurations. One is panel (or console) mounted; the other is rack (or electronic bay) mounted that requires a remote, panel-mounted control, and MT-4811 mount. Each of the panel-mounted RTs and control units has a specific lighting color and lamp voltage requirement. The following tables list the assigned nomenclatures for each type of Navy and Marine Corps airborne or shipboard installation:

AN/APX-100(V) INSTALLATIONS (NAVY AND MARINE CORPS AIRBORNE)			
PLATFORM	RECEIVER- TRANSMITTER	CONTROL UNIT	MOUNTING BASE
RC-12F/M	RT-1284A/B	NA	NA
UC-12F	RT-1284A/B	NA	NA
UC-12M	RT-1558	NA	NA
C-20D/GIV	RT-1296A/B	NA	NA
C-130T	RT-1157A/B	C-10534	MT-4811
KC-130T	RT-1157A/B	C-10534	MT-4811
E-2C (Group II)	RT-1157A/B	C-10533	MT-4811
F-14D	RT-1296B	NA	NA
F/A-18 A/B/C/D	RT-1157A/B	See Notes 1,2	MT-4811
AH-1W	RT-1285A/B	NA	NA
AH-1W	RT-1558A	NA	NA
HH-60H/J	RT-1284A/B	NA	NA
SH-60B/F	RT-1284A/B	NA	NA
T-45A	RT-1157A/B	C-10534	MT-4811
AV-8B	RT-1157A/B	See Note 1	MT-4811
V-22A	RT-1471	See Note 1	MT-4811

Note 1: The AV-8B, F/A-18A-D series, and V-22A employ contractor-furnished controls integral with the Head-Up Display and 1553 data bus system.

Note 2: The F/A-18E/F production aircraft never had APX-100 installed and are equipped with the newer APX-111, also known as the Positive Identification System (PIDS). The APX-111

also replaced the AN/APX-100 on the F/A-18A+ with AFC 292, and on C/D aircraft after AFC 236 as retrofit, and was newly installed on production C/D aircraft, beginning with Lot 18.

AN/APX-100(V) INSTALLATIONS (NAVY SHIPBOARD)			
PLATFORM	RECEIVER- TRANSMITTER	CONTROL UNIT	MOUNTING BASE
LCAC	RT-1285B	NA	NA
LCU	RT-1285A	NA	NA
MK2	RT-1285A	NA	NA
MK3	RT-1285A	NA	NA
MK4	RT-1285A	NA	NA
NESEA	RT-1157A/B	NA	NA
NSWDG	RT-1285A	NA	NA
PBC	RT-1285B	NA	NA
RIB	RT-1285A	NA	NA
TWR	RT-1285A	NA	NA

2. Physical Description

WEAPON REPLACEABLE ASSEMBLY (WRA)	WEIGHT (POUNDS)	DIMENSIONS (INCHES)		
		L	W	H
Panel Mounted RT Units: RT-1284()/APX-100(V) RT-1285()/APX-100(V) RT-1296()/APX-100(V) RT-1558()/APX-100(V)	8.40	5.250	5.760	6.750
Remote Mounted RT Units: RT-1157()/APX-100(V) RT-1471/APX-100(V)	10.00	5.375	5.375	8.375
Control Units: C-10533/APX-100(V) C-10534/APX-100(V)	1.70	5.250	5.760	2.321
Mount: MT-4811/APX-100(V)	0.88	10.620	6.000	1.500

3. New Development Introduction. The AN/APX-100(V) has been installed during the production of new aircraft and special purpose surface craft. The AN/APX-100(V) has been retrofitted into a portion of platforms already in the Fleet.

4. Significant Interfaces. Functional interfaces of the AN/APX-100(V) include the Federal Aviation Administration's Air Traffic Control Radar Beacon System (ATCRBS), United States military interrogator systems (i.e., AN/UPX-29 Interrogator System), the Navy's ATCRBS IFF Mark XII Systems (AIMS), Air Force AIMS, and the Army's AIMS. The AN/APX-100(V) interfaces with the AN/TPX-42A(V) Direct Altitude Identification Readout (DAIR) Interrogator Sets to provide aircraft identification and altitude information for Navy air traffic control operations aboard aircraft carriers as well as at shore sites.

5. New Features, Configurations, or Material. Not Applicable (NA)

H. CONCEPTS

1. Operational Concept. The Pilot, Copilot, or Surface Craft Operator activates the AN/APX-100(V) and selects the appropriate mode of operation. Transmitting and receiving functions are automatic after activation and initial set-up.

2. Maintenance Concept. For aircraft applications, AN/APX-100(V) maintenance is performed per the Naval Aviation Maintenance Program, OPNAV Instruction (OPNAVINST) 4790.2 series, based on three levels of maintenance: organizational, intermediate, and depot. Aboard surface vessels, maintenance is performed on the AN/APX-100(V) per the Issue of Ships' Maintenance and Material Management System (3M Manual), OPNAVINST 4790.4 series.

The AN/APX-100(V) is designed for rapid recognition of hardware failures, ease in replacement of the unit, accuracy of fault isolation, and ease of board and module replacement and repair. Built-In Test (BIT) circuits are used to verify system readiness and to perform fault isolation to the failed WRA. The AN/APX-100(V) incorporates a continuous automatic test feature that monitors all interrogations received. Incorrect responses or other malfunctions as identified above will cause the Test/Monitor No-Go indicator to illuminate.

a. Organizational. AN/APX-100(V) organizational level maintenance consists of preventive and corrective maintenance actions limited to system check-out, fault isolation, inspection, servicing, and removal and replacement of assemblies, subassemblies, and certain chassis mounted components such as fuses, lamps, knobs, and displays. In aviation applications organizational level maintenance is performed by Navy Aviation Electronics Technicians (AT) and Marine Corps Aircraft Communications and Navigation Technicians with the appropriate Navy Enlisted Classification (NEC) or Military Occupational Specialty (MOS) codes for the type, model, and series of aircraft supported. Aboard surface craft, Navy Electronics Technicians (ET) perform organizational level maintenance on the AN/APX-100(V).

(1) Preventive Maintenance. Preventive maintenance consists of corrosion control and initiating BIT to verify system readiness. The status of the AN/APX-100(V) is displayed on the control panel by the following four indicators:

- Transponder Test/Monitor No-Go
- Antenna Voltage Standing-Wave Ratio Status
- Altitude Digitizer Status
- Computer Status

(2) Corrective Maintenance. Corrective maintenance consists of troubleshooting, removal, and replacement of WRAs. The BIT features are used to perform fault isolation to the failed WRA in most cases. External confidence checks are performed using the AN/APM-480 Transponder Test Set with the AS-3324/APM-480 Diversity Antenna or the AN/APM-421(V)2 Transponder Test Set. These test sets perform a radiated test on the aircraft transponder system to verify Mode 4 code operation and diversity operation.

b. Intermediate. The Aircraft Intermediate Maintenance Department (AIMD) or Marine Aviation Logistics Squadron (MALS) performs intermediate level maintenance. Intermediate level maintenance is also performed at micro-miniature repair shops aboard ships and Shore Intermediate Maintenance Activities (SIMA). Maintenance actions at this level consist of functional testing, fault isolation, and the removal and replacement of Shop Replaceable Assemblies (SRA). Faulty SRAs and WRAs (when unable to fault isolate to the SRA) are forwarded to the depot level. Intermediate level maintenance is performed by Navy AT personnel with NEC 6609, Marine Corps Aircraft Navigation Systems Technicians IFF/RADAR/ TACAN (MOS 6413), and Navy ET personnel (with no specific NEC).

c. Depot. Naval Aviation Depot (NADEP) North Island, California, is the repair depot for the AN/APX-100(V). Faulty WRAs and SRAs are repaired by identifying and replacing all faulty piece-parts and testing the unit to ensure that it is Ready For Issue.

d. Interim Maintenance. NA

e. Life Cycle Maintenance Plan. NA

3. Manning Concept. Operation and maintenance skill requirements for the AN/APX-100(V) are similar to those required for other existing transponders. Organizational and intermediate maintenance manpower for the AN/APX-100(V) is driven by the total maintenance requirements at each activity. No changes in the existing billet structure for AT 6609, ET (no specific NEC), or MOS 6413 were required to support the AN/APX-100(V).

4. Training Concept. Operator training for the AN/APX-100(V) is provided during Pilot training at the aircraft-specific Fleet Readiness Squadrons (FRS) and Small Craft Operator training either through formal training courses or On-the-Job Training (OJT). Organizational level maintenance training for AT and Marine Corps personnel is provided through Center for Naval Aviation Technical Training Unit (CNATTU) and Center for Naval Aviation Technical Training Marine Unit (CNATT MARUNIT) courses for each type of aircraft and are conducted at Maintenance Training Units (MTU) and CNATT MARUNITs listed below. Operator and organizational maintenance training requirements are provided in the applicable aircraft NTSPs listed in paragraph M.

AN/APX-100(V) intermediate level training for AT 6609 and MOS 6413 personnel is conducted by:

- MTU 1007 CNATTU Oceana, Virginia
- MTU 1011 CNATTU Jacksonville, Florida
- MTU 1038 CNATTU Lemoore, California
- CNATT MARUNIT, Marine Corps Air Station (MCAS) Cherry Point, North Carolina
- CNATT MARUNIT, MCAS New River, North Carolina

ET personnel that require AN/APX-100(V) intermediate level maintenance training will attend the CNATTU course conducted at the MTUs. CNATTU Headquarters Pensacola,

Florida, will accommodate Naval Sea Systems Command and provide this training to ET personnel on a case-by-case basis.

The AN/APX-100(V) and its supporting training system have been operational in the United States Navy since 1976. Currently, continuous assessment of training (ongoing effective analysis) is being conducted by the schoolhouses through a feedback process with Fleet users to gauge effectiveness of the training system. Periodically, this feedback drives minor changes to the training system. Currently, there are no changes to the training system that affect instructor requirements, student throughput, class length or size, or required training devices and equipment.

Most NECs are potentially awarded to Selected Reserve (SELRES) personnel. However, given an individual's current and previous experience, it is not always feasible for SELRES personnel to be awarded an NEC that entails a long training period. Normally, a SELRES billet for a particular NEC that requires a long training period is filled by personnel who were awarded that NEC while on active duty or are willing to attend the required courses, given that a quota and funding are available. For SELRES personnel to be awarded an NEC, the individual's current skills, knowledge, and previous training is evaluated by the Commander, Naval Air Reserve Force and the MTU. In some cases, additional training is required. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications manual.

The established training concept for most aviation maintenance training divides "A" School courses into two or more segments called *Core* and *Strand*. Many, organizational level "C" School courses are also divided into separate *Initial* and *Career* training courses. "A" School *Core* courses include general knowledge and skills training for the particular rating, while "A" School *Strand* courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student's Fleet activity destination. *Strand* training immediately follows *Core* training and is part of the "A" School. Upon completion of *Core* and *Strand* "A" Schools, Navy graduates going to organizational level activities attend the appropriate *Initial* "C" School for additional specific training. *Initial* "C" School training is intended for students in paygrades E-4 and below. *Career* "C" School training is provided to organizational level personnel, E-5 and above, to enhance skills and knowledge within their field. "A" School graduates going to intermediate level activities attend the appropriate intermediate level "C" School.

Marine Corps graduates of *Core* and *Strand* "A" school attend the appropriate *Career* "C" School for additional training on a specific type of aircraft or equipment, and to enhance skills and knowledge within their field. Marine Corps graduates from "C" School receive their primary MOS.

Intermediate level "C" Schools are not separated into *Initial* and *Career* courses.

a. Human Performance Analyses. During the late 1970s and early 1980s when the AN/APX-100(V) was procured, a modified Instructional Systems Development approach of tasks and learning analysis was performed during the Logistics Support Analysis. AN/APX-

100(V) training and media were developed based on Human Performance requirements and training technology at that time. The training situation was examined to determine deficiencies or performance gaps and potential for remedy. The Instructional Systems Development approach was used in the design and development of training to meet the needs of operators and maintainers of the AN/APX-100(V). Based on the type of task (high in fine motor skills), levels of training required, and skill decay factors, it was determined that a composition of instructor-led lecture and hands-on laboratory exercises were the most suitable media to support the AN/APX-100(V) training requirements.

b. Training System Management and Support. The maintenance training courses are managed by the Course Model Managers (CMM), CNATT MARUNIT Cherry Point (C-102-4049), and CNATTU Jacksonville (C-102-4052). The CMM is responsible for course configuration control and logistics support requirements.

(1) Maintaining System Currency. The training courseware and media have been updated over the ensuing years to maintain AN/APX-100(V) configuration concurrence through the Naval Air Systems Command (NAVAIR) Engineering Change Proposal (ECP) process. The ECP process, in accordance with NAVAIR Instruction 4130.1C, is utilized to initiate upgrades to operational and training systems and allows for inputs that affect the human and MPT. All new ECPs for AN/APX-100(V) take into consideration the human-machine interface for operators, maintainers, and support personnel.

(2) Training Effectiveness Evaluations. The Naval Education and Training Command (NETC) (via CNET Instruction 1500.30) established policy, procedures, and responsibility for the administration and operation of the NETC training feedback program. This program provides a web-based homepage template containing a training feedback form icon. Each school is to develop a form following this format with a link back to the NETC homepage at <https://www.cnet.navy.mil>. This web page form is used to receive feedback on any training issue or training concern, or to make general recommendations. A Fleet partnership program was also established to develop a close relationship with representative samples of customers to evaluate the quality of the trained graduates and the relevance of skills trained.

In conjunction with this Fleet feedback program, a Human Performance Requirements Review (HPRR) process is required by OPNAVINST 1500.69A. HPRRs provide a process for resource and program sponsors to identify and correct training deficiencies.

c. Reserves. Operator training for the AN/APX-100(V) is provided during Pilot training at the aircraft-specific FRS and Small Craft Operator training either through formal training courses or OJT. Organizational level maintenance training for AT and Marine Corps personnel is provided through CNATTU courses for each type of aircraft and are conducted at the MTUs.

d. Training Delivery Method and Evaluation. The training delivery method for the AN/APX-100(V) includes formal schoolhouse training as well as informal training (i.e., OJT), and all equipment necessary to provide the most effective intermediate maintenance training. The training delivery method selection was based on the results of learning and media

requirements analyses. Instruction is accomplished via academic classroom and laboratory. Computer-Aided Instruction (CAI), Interactive Courseware (ICW), and Practical Job Training (PJT) were not chosen as delivery methods for this instruction; should they be in the future, all new courseware shall be developed and delivered in electronic format that is compliant with the latest version of the DoD Sharable Content Object Reference Model (SCORM).

e. Initial Training. All initial training has been completed. Three cadre factory training courses were conducted:

- Raytheon Identification Systems Company conducted training at the contractor's facility for selected Fleet, Depot, Naval Air Technical Data and Engineering Service Command (NATEC), and Coast Guard personnel in 1984.
- Raytheon conducted training for CNATTU instructors at MTU 1038 facility in 1985.
- Raytheon conducted a depot level maintenance course for NADEP personnel at the contractor's facility in 1986.

f. Follow-on Training

(1) Operator. AN/APX-100(V) operator training is accomplished during Pilot training at the FRS for each aircraft. Refer to the specific aircraft platform NTSP for information on Pilot courses and annual student training requirements. For surface craft applications, Small Craft Operator training includes AN/APX-100(V) operator training either through formal training courses or OJT.

(2) Maintenance

(a) Organizational. AN/APX-100(V) organizational level maintenance training has been incorporated into existing electronics or communication and navigation training tracks for the specific aircraft platforms. Refer to the specific aircraft NTSP for additional information on organizational maintenance training and annual training input requirements.

(b) Intermediate. There are two intermediate level maintenance courses for the AN/APX-100(V). Each course combines AN/APX-100(V) training with the AN/APX-72 Transponder Set. The Navy training course, *C-102-4052, Combined Electronics Identification (IFF) Intermediate Maintenance*, is contained in training track D/E-102-6039. The Marine Corps training course, *C-102-4049, APX-72/APX-100 IFF Intermediate Maintenance*, is contained in training track M-102-6413. Both courses are currently on-line. Training course information is depicted below:

Title.....	Electronics Identification Equipment Intermediate Maintenance
CIN	D/E-102-6039
Model Manager	MTU 1011 CNATTU Jacksonville
Description	<p>This track provides training to the Aviation Electronics Technician, including:</p> <ul style="list-style-type: none"> ° System Theory ° Circuit Analysis ° Alignment Procedures ° Troubleshooting and Maintenance Techniques using Appropriate Test Equipment ° AN/APX-100(V) Transponder Set ° AN/APX-72 Radar Identification System ° TS-1843A/B/APX Transponder Test Set ° AN/APX-76 Air/Air IFF Interrogator Set <p>Upon completion, the graduate will be able to safely perform intermediate maintenance on these systems in an AIMD shop environment under limited supervision.</p>
Delivery Method	<p>Total Course of Instruction263 hours</p> <p>Instructor-Led Theory 186 hours</p> <p>Instructor-Led with CAI..... NA</p> <p>ICW (not Instructor-Led):</p> <p>Level 1 NA</p> <p>Level 2 NA</p> <p>Level 3 NA</p> <p>Level 4..... NA</p> <p>Laboratory77 hours</p> <p>PJT (On-Aircraft Repair)..... NA</p>
Length	65 days
Locations	<ul style="list-style-type: none"> ° MTU 1011 CNATTU Jacksonville ° MTU 1007 CNATTU Oceana ° MTU 1038 CNATTU Lemoore
RFT Date.....	Currently available
Skill Identifier	AT 6609
TTE/TD	Technical Training Equipment (TTE) is the AN/APX-100(V); Training Device (TD) is NA.
Prerequisites	<ul style="list-style-type: none"> ° C-100-2017, Avionics Technician I-Level Class A1 ° C-100-2020, Avionics Common Core Class A1

Title.....	Aircraft Navigation Systems Equipment Intermediate Maintenance
CIN	M-102-6413
Model Manager	CNATT MARUNIT Cherry Point
Description	<p>This track provides training to the Aircraft Navigation Systems Technician IFF/RADAR/TACAN, including:</p> <ul style="list-style-type: none"> ° Theory of Operation ° Operating Characteristics ° Troubleshooting and Maintenance Procedures ° AN/APX-72 System ° AN/APX-100(V) IFF Transponder System <p>Upon completion, the graduate will be able to perform as an Aircraft Navigation Systems Technician IFF/RADAR/TACAN in an AIMD and MALS shop environment under close supervision.</p>
Delivery Method	<p>Total Course of Instruction216 hours</p> <p>Instructor-Led Theory 116 hours</p> <p>Instructor-Led with CAI NA</p> <p>ICW (not Instructor-Led):</p> <p> Level 1 NA</p> <p> Level 2 NA</p> <p> Level 3 NA</p> <p> Level 4 NA</p> <p>Laboratory 100 hours</p> <p>PJT (On-Aircraft Repair)..... NA</p>
Locations.....	<ul style="list-style-type: none"> ° CNATT MARUNIT Cherry Point ° CNATT MARUNIT New River
Length	65 days
RFT Date.....	Currently available
Skill Identifier	MOS 6413
TTE/TD	TTE is the AN/APX-100(V); TD is NA.
Prerequisite.....	C-100-2017, Avionics Technician I-Level Class A1

g. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AT 6609	<ul style="list-style-type: none">◦ C-100-2017, Avionics Technician I-Level Class A1◦ C-100-2020, Avionics Common Core Class A1
MOS 6413	<ul style="list-style-type: none">◦ C-100-2017, Avionics Technician I-Level Class A1

h. Training Pipelines. No new training tracks are required by this NTSP. Maintenance training tracks for the AN/APX-100(V) are currently available as identified in paragraph H.4.f.(2)(b) above.

I. ONBOARD (IN-SERVICE) TRAINING**1. Proficiency or Other Training Organic to the New Development**

a. Maintenance Training Improvement Program. Current planning is to adopt the Aviation Maintenance Training Continuum System (AMTCS) concepts to replace Maintenance Training Improvement Program (MTIP). AMTCS is scheduled to begin full implementation for Fleet deployment in April 2004.

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided, at the right time, thus meeting the CNO's mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Interactive Multimedia Instruction for the technicians in the Fleet in the form of ICW with Computer-Managed Instruction, and CAI for the schoolhouse.

Included in the AMTCS development effort is the AMTCS Software Module which provides testing (Test and Evaluation), recording (Electronic Certification Qualification Records), and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate Commercial Off-The-Shelf hardware and software, i.e., Fleet Training Devices

- Laptops, Personal Computers, Electronic Classrooms, Learning Resource Centers, operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS concepts are to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

2. Personnel Qualification Standards. The required Personnel Qualification Standards (PQS) have been developed for all aircrew personnel as reflected in the appropriate Naval Air Training and Operating Procedures Standardization syllabus and yearly re-certification. PQS for maintenance personnel will not be developed.

3. Other Onboard or In-Service Training Packages. Marine Corps onboard training is based on the current series of MCO P4790.12, Individual Training Standards System, and MATMEP. This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2H maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBERS	MANUFACTURER	ADDRESS
N00019-81-C-0004 N00019-82-C-0222 N00019-84-C-0188 N00019-88-C-0094 N00019-89-C-0180 N00019-92-C-0095 N00163-94-D-0021	Allied Signal Aerospace Company	Bendix Communications Division 1300 East Joppa Road Baltimore, MD 21204
N00383-02-G-004G	Raytheon Identification Systems	7887 Bryan Dairy Road Largo, FL 33777-1452

2. Program Documentation

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
AN/APX-100(V) Integrated Logistics Support Plan	NA	PMA209	Revised 17 Jul 98
AN/APX-100(V) Acquisition Logistics Support Plan	NA	PMA209	Approved 30 Nov 99
Users Logistics Support Summary	NA	PMA209	Draft 1 Dec 99

3. Technical Data Plan. The Technical Data plans at the three levels of maintenance are as follows:

a. Organizational. Organizational level technical data on the AN/APX-100(V) is contained in the organizational maintenance manuals for each aircraft and surface craft. Organizational level maintenance manuals are currently available through NATEC.

b. Intermediate. A joint technical manual with an Illustrated Parts Breakdown (IPB) for intermediate level maintenance was developed for the Army and the Navy. The Navy publication number for the AN/APX-100(V) Intermediate Maintenance Manual is AE-230AA-MIB-000, dated 15 August 1998. NATEC distribution began in June 1999.

c. Depot. No depot level maintenance manual has been developed. NADEP North Island employees have developed their own information system in lieu of a published depot maintenance manual.

4. Test Sets, Tools, and Test Equipment. The test equipment described below is required for functional testing and fault isolation, and is currently available in the Fleet.

a. Organizational. Organizational level support equipment consists of the AN/APM-480 Transponder Test Set with the AS-3324/APM-480 Diversity Antenna or the AN/APM-421(V)2 Transponder Test Set.

b. Intermediate. Intermediate level support equipment consists of the following equipment or equivalent: AN/UPM-155 IFF Radar Test, AN/APM-421 IFF Test Set, Fluke 8800A/AA Digital Multimeter, AN/USM-425 (V)1 Oscilloscope, and the Hewlett-Packard 214A Pulse Generator.

c. Depot. The AN/USM-467 Radar Communications (RADCOM) Test Station is employed at the depot level.

5. Repair Parts. The Navy is the Primary Inventory Control Activity (PICA) in the procurement of the AN/APX-100(V). The Naval Inventory Control Point, located in Mechanicsburg, Pennsylvania, performs the PICA functions and provisions the necessary spares and repair parts. The Material Support Date was achieved on 1 October 1984.

6. Human Systems Integration

a. Human Factors Engineering. Anthropometrics applicable to organizational and intermediate level maintainers were considered during design of the AN/APX-100(V). There are no limitations or anthropometrics constraints related to organizational and intermediate level maintainers. Analysis of job tasks involved in the performance of mission functions and the operation of equipment was conducted to support specific Human Engineering decisions in support of AN/APX-100(V) design. Human adequacies to meet specific performance requirements were identified. The analysis resulted in determining the number of personnel and skill requirements for system tasks, and as required for support of reliability and maintainability of the AN/APX-100(V).

b. Manpower. No additional billets were required to support the AN/APX-100(V). For additional details, see paragraph H.3.

c. Personnel. Human Performance Technology (HPT) is used to improve individual and organizational performance. HPT addresses the desired cognitive (psychomotor and attitudinal) and hands-on skills (psychomotor) critical to performance. The AN/APX-100(V) design considered the human performance capability of existing personnel ratings, NECs, and MOSs available at the time of system development.

d. Training. See paragraph H.4. for details concerning AN/APX-100(V) training.

e. Habitability. There are no known issues concerning habitability related to the AN/APX-100(V).

f. Environment, Safety, and Occupational Health. There are no known issues concerning environment, safety, and occupational health related to the AN/APX-100(V).

g. Survivability. There are no known issues concerning survivability related to the AN/APX-100(V).

K. SCHEDULES**1. Installation and Delivery Schedules**

a. Aircraft. The AN/APX-100(V) is currently installed in the following aircraft during production and/or retrofit, including the trainer and pre-production models:

UC-12F/M	AH-1W
RC-12F/M	HH-60H
C-20D/GIV	HH-60J
C-130T	SH-60B
KC-130T	SH-60F
E-2C (Group II)	T-45A
F-14D	AV-8B
F/A-18A/B/C/D	V-22A
F/A-18E/F (early lots only)	

b. Surface Craft. The AN/APX-100(V) is installed on several types of special purpose surface vessels, including the LCAC, LCU, MK2, MK3, MK4 Special Forces Sea Craft, PBC, RIB, and TWR during production. Retrofit installation on Fleet surface craft has been completed. The AN/APX-100(V) is also installed at NESEA and NSWDC sites.

2. Ready For Operational Use Schedule. All AN/APX-100(V) systems are Ready For Operational use upon completion of the installation and checkout.

3. Time Required to Install at Operational Sites. Installation time is approximately two hours.

4. Foreign Military Sales and Other Source Delivery Schedule. The United States Army, Air Force, and Coast Guard employ several configurations of the AN/APX-100(V) in various aircraft. The Navy is the lead service for procurement of the AN/APX-100(V). FMS of the AN/APX-100(V) includes over 50 nations; many with only one or two units procured and others with the number of units procured dependent upon the specific aircraft procurements. For additional information concerning FMS or other military procurements, contact PMA209.

5. Training Device and Technical Training Equipment Delivery Schedule. For organizational maintenance, the appropriate configuration of the AN/APX-100(V) and control unit, when applicable, have been delivered to the MTUs for use as TTE. The intermediate maintenance training courses employ two RT configurations and a control unit as TTE, which have been delivered. Refer to element IV.A.1 of this NTSP for the detailed delivery schedule.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
AIMS Mark XII Identification Friend or Foe NTSP	E-30-7115F/A	PMA213	Approved Jan 04
Carrier and Amphibious Air Traffic Control Direct Altitude and Identity Readout	E-50-8502C/P	PMA213	Proposed Jan 03
AN/UPX-29(V) Interrogator System NTSP	E-30-7815D/A	PMA213	Approved Aug 03
AN/USM-467 Weapon System Test Station, RADCOM NTSP	A-50-8710A/A	PMA260	Approved Jul 93
AN/UPX-30(V) Central Identification Friend or Foe/Automatic Identification System NTSP	E-30-8407B/A	PMA213	Approved Aug 95
C-20D/G Aircraft NTSP	A-50-9306A/A	PMA207	Approved Apr 03
C-130 Aircraft NTSP	A-50-0120/A	PMA200	Approved Oct 02
E-2C Aircraft NTSP	A-50-8716E/A	PMA231	Approved Aug 03
F-14A, F-14B, and F-14D Aircraft NTSP	A-50-8511C/A	PMA241	Approved Feb 02
F/A-18 Aircraft NTSP	A-50-7703I/D	PMA265	Draft Oct 02
AH-1W Aircraft NTSP	A-50-8520E/D	PMA276	Draft Apr 03
Light Airborne Multi-Purpose System MK-III Part B, Aircraft Subsystem NTSP	A-50-7702C/D	PMA299	Draft Oct 02
SH-60F Carrier Inner Zone Anti-Submarine Warfare Helicopter NTSP	A-50-8508D/A	PMA299	Approved Aug 00
AV-8B Harrier II Plus Weapons System NTSP	A-50-8201D/A	PMA257	Approved Sep 01
V-22 Osprey Joint Training Plan	A-50-8412E/P	PMA275	Proposed Mar 04

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AN/APX-100 Transponder Set, and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

SOURCE OF MANPOWER: USN: Total Force Manpower Management System
USMC: Total Force Structure

DATE: September 2003
September 2003

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
OPERATIONAL ACTIVITIES - USN							
CV 67 USS John F. Kennedy	03367	1	0	0	0	0	0
CVN 65 USS Enterprise	03365	1	0	0	0	0	0
CVN 69 USS Dwight D. Eisenhower	03369	1	0	0	0	0	0
CVN 71 USS Theodore Roosevelt	21247	1	0	0	0	0	0
CVN 73 USS George Washington	21412	1	0	0	0	0	0
CVN 75 USS Harry S. Truman	21853	1	0	0	0	0	0
CVN 76 USS Ronald Reagan	22178	1	0	0	0	0	0
HCS-4	53811	1	0	0	0	0	0
HM-14	53827	1	0	0	0	0	0
LHA 2 USS Saipan	20632	1	0	0	0	0	0
LHA 4 USS Nassau	20725	1	0	0	0	0	0
LHD 1 USS Wasp	21560	1	0	0	0	0	0
LHD 3 USS Kearsarge	21700	1	0	0	0	0	0
LHD 5 USS Bataan	21879	1	0	0	0	0	0
LHD 7 USS Iwo Jima	23027	1	0	0	0	0	0
VAQ-209	53870	1	0	0	0	0	0
VAW-78	09102	1	0	0	0	0	0
VC-6	09806	1	0	0	0	0	0
VP-10	09639	1	0	0	0	0	0
VP-16	09229	1	0	0	0	0	0
VP-26	09610	1	0	0	0	0	0
VP-45	09665	1	0	0	0	0	0
VP-5	09630	1	0	0	0	0	0
VP-8	09661	1	0	0	0	0	0
VR-53	55617	1	0	0	0	0	0
VR-62	09324	1	0	0	0	0	0
CV 63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV 64 USS Constellation	03364	1	0	0	0	0	0
CVN 68 USS Nimitz	03368	1	0	0	0	0	0
CVN 70 USS Carl Vinson	20993	1	0	0	0	0	0
CVN 72 USS Abraham Lincoln	21297	1	0	0	0	0	0
CVN 74 USS John C. Stennis	21847	1	0	0	0	0	0
HCS-5	53812	1	0	0	0	0	0
HM-15	55201	1	0	0	0	0	0
LHA 1 USS Tarawa	20550	1	0	0	0	0	0
LHA 3 USS Belleau Wood	20633	1	0	0	0	0	0
LHA 5 USS Peleliu	20748	1	0	0	0	0	0
LHD 2 USS Essex	21533	1	0	0	0	0	0
LHD 4 USS Boxer	21808	1	0	0	0	0	0
LHD 6 USS Bonhomme Richard	22202	1	0	0	0	0	0
VP-1	09618	1	0	0	0	0	0
VP-4	09623	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
VP-40	09674	1	0	0	0	0	0
VP-46	09632	1	0	0	0	0	0
VP-47	09600	1	0	0	0	0	0
VP-9	09644	1	0	0	0	0	0
VQ-1 Det Misawa, Japan	09081	1	0	0	0	0	0
VR-54	52895	1	0	0	0	0	0
VR-55	53855	1	0	0	0	0	0
TOTAL:		49	0	0	0	0	0
OPERATIONAL ACTIVITIES - USMC							
HMH-461	01461	1	0	0	0	0	0
HMH-464	01464	1	0	0	0	0	0
HMH-772	01772	1	0	0	0	0	0
HMLA-167	01167	1	0	0	0	0	0
HMLA-269	01269	1	0	0	0	0	0
HMLA-773	01773	1	0	0	0	0	0
HMLA-773 Det A	59221	1	0	0	0	0	0
HMLA-775 Det A	01778	1	0	0	0	0	0
HMM-162	01162	1	0	0	0	0	0
HMM-261	01261	1	0	0	0	0	0
HMM-263	01263	1	0	0	0	0	0
HMM-264	01264	1	0	0	0	0	0
HMM-266	01266	1	0	0	0	0	0
HMM-365	01365	1	0	0	0	0	0
HMM-774	01774	1	0	0	0	0	0
HMT-302	01181	1	0	0	0	0	0
HMX-1	02403	1	0	0	0	0	0
VMA-223	01223	1	0	0	0	0	0
VMA-231	01231	1	0	0	0	0	0
VMA-542	01542	1	0	0	0	0	0
VMAQ-1	01237	1	0	0	0	0	0
VMAQ-2	01238	1	0	0	0	0	0
VMAQ-3	01239	1	0	0	0	0	0
VMAQ-4	01012	1	0	0	0	0	0
VMAT-203	01203	1	0	0	0	0	0
VMFA(AW)-224	01224	1	0	0	0	0	0
VMFA(AW)-332	01332	1	0	0	0	0	0
VMFA(AW)-533	01533	1	0	0	0	0	0
VMFA-115	01115	1	0	0	0	0	0
VMFA-122	01122	1	0	0	0	0	0
VMFA-142	01151	1	0	0	0	0	0
VMFA-251	01251	1	0	0	0	0	0
VMFA-312	01312	1	0	0	0	0	0
VMFA-321	01321	1	0	0	0	0	0
VMGR-252 Det	01252	1	0	0	0	0	0
VMGR-253 Det	01253	1	0	0	0	0	0
VMGR-452	01233	1	0	0	0	0	0
VMGR-452 Det	01233	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
VMGRT-253	01247	1	0	0	0	0	0
VMM (Future MV-22 Unit)	00000	1	0	0	0	0	0
VMMT-204	01171	1	0	0	0	0	0
VMR-1	02007	1	0	0	0	0	0
VMU-2	01490	1	0	0	0	0	0
HMH-361	01361	1	0	0	0	0	0
HMH-362	01362	1	0	0	0	0	0
HMH-363	01363	1	0	0	0	0	0
HMH-462	01462	1	0	0	0	0	0
HMH-463	01463	1	0	0	0	0	0
HMH-465	01465	1	0	0	0	0	0
HMH-466	01466	1	0	0	0	0	0
HMH-769	01769	1	0	0	0	0	0
HMLA-169	01173	1	0	0	0	0	0
HMLA-267	01267	1	0	0	0	0	0
HMLA-367	01367	1	0	0	0	0	0
HMLA-369	01369	1	0	0	0	0	0
HMLA-775	04780	1	0	0	0	0	0
HMM(T)-164	01175	1	0	0	0	0	0
HMM-161	01161	1	0	0	0	0	0
HMM-163	01163	1	0	0	0	0	0
HMM-165	01165	1	0	0	0	0	0
HMM-166	01166	1	0	0	0	0	0
HMM-262	01262	1	0	0	0	0	0
HMM-265	01265	1	0	0	0	0	0
HMM-268	01268	1	0	0	0	0	0
HMM-364	01364	1	0	0	0	0	0
HMM-764	01764	1	0	0	0	0	0
HMT-301	01170	1	0	0	0	0	0
HMT-303	01303	1	0	0	0	0	0
VAQ-129	06041	1	0	0	0	0	0
VMA-211	01211	1	0	0	0	0	0
VMA-214	01214	1	0	0	0	0	0
VMA-311	01311	1	0	0	0	0	0
VMA-513	01513	1	0	0	0	0	0
VMFA(AW)-121	01121	1	0	0	0	0	0
VMFA(AW)-225	01225	1	0	0	0	0	0
VMFA(AW)-242	01242	1	0	0	0	0	0
VMFA-112	01130	1	0	0	0	0	0
VMFA-134	01134	1	0	0	0	0	0
VMFA-212	01212	1	0	0	0	0	0
VMFA-232	01232	1	0	0	0	0	0
VMFA-314	01314	1	0	0	0	0	0
VMFA-323	01323	1	0	0	0	0	0
VMFAT-101	01192	1	0	0	0	0	0
VMGR-152 Det	09443	1	0	0	0	0	0
VMGR-234	01234	1	0	0	0	0	0
VMGR-234 Det	01234	1	0	0	0	0	0
VMGR-352 Det	01352	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

ACTIVITY, UIC		PFYs	CFY04	FY05	FY06	FY07	FY08
VMM (Future MV-22 Unit)	00000	1	0	0	0	0	0
VMU-1	01480	1	0	0	0	0	0
TOTAL:		89	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USN							
AIMD, COMFAIR Keflavik, Iceland	44335	1	0	0	0	0	0
AIMD, NAS Brunswick	44314	1	0	0	0	0	0
AIMD, NAS Jacksonville	44319	1	0	0	0	0	0
AIMD, NAS Key West	44320	1	0	0	0	0	0
AIMD, NAS Norfolk	44325	1	0	0	0	0	0
AIMD, NAS Oceana	44327	1	0	0	0	0	0
AIMD, NAS Sigonella, Sicily	44330	1	0	0	0	0	0
AIMD, NAVSTA Mayport	45459	1	0	0	0	0	0
AIMD, NAVSTA Roosevelt Roads, Puerto Rico	44373	1	0	0	0	0	0
AIMU Rota, Spain	44374	1	0	0	0	0	0
Beaufort SEAOPDET	46961	1	0	0	0	0	0
NAS Norfolk SEAOPDET	46966	1	0	0	0	0	0
NAS Oceana SEAOPDET	46963	1	0	0	0	0	0
NAVTESTWINGLANT, Patuxent River	39782	1	0	0	0	0	0
NAWCAD OPDET, Patuxent River	35679	1	0	0	0	0	0
RAIMD, NAF Washington DC	44492	1	0	0	0	0	0
RAIMD, NAS Willow Grove	44493	1	0	0	0	0	0
ABFC FMP Alpha, Point Mugu	49738	1	0	0	0	0	0
ABFC FMP MMF Hotel, New Orleans	68822	1	0	0	0	0	0
AIMD, CFWP Det Atsugi, Japan	44323	1	0	0	0	0	0
AIMD, CFWP Det Diego Garcia, Chagos Islands	44337	1	0	0	0	0	0
AIMD, CFWP Det Misawa, Japan	44331	1	0	0	0	0	0
AIMD, COMAEWWINGPAC Det	44328	1	0	0	0	0	0
AIMD, COMSEACONTROLWINGPAC Det	44326	1	0	0	0	0	0
AIMD, COMSTRKFIGHTWINGPAC Det	44321	1	0	0	0	0	0
AIMD, COMVAQWINGPAC Det	44329	1	0	0	0	0	0
AIMD, MCBH Kaneohe Bay	44312	1	0	0	0	0	0
AIMD, NAS Corpus Christi	30244	1	0	0	0	0	0
AIMU, Fallon AIMD	44317	1	0	0	0	0	0
CV/CVN SEAOPDET Lemoore	46964	1	0	0	0	0	0
CV/CVN SEAOPDET Point Mugu	46962	1	0	0	0	0	0
EA-6B Van OPDET	31179	1	0	0	0	0	0
RAIMD, NAS Fort Worth JRB	44487	1	0	0	0	0	0
RAIMD, NAS New Orleans	44490	1	0	0	0	0	0
TOTAL:		34	0	0	0	0	0
VMGR-234	01234	1	0	0	0	0	0
VMGR-234 Det	01234	1	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - USMC							
H&HS MCAS Beaufort	02031	1	0	0	0	0	0
MATSG-21	06050	1	0	0	0	0	0
H&HS MCAS Iwakuni	02501	1	0	0	0	0	0
H&HS MCAS Yuma	02230	1	0	0	0	0	0
MALS-24(-)	01071	1	0	0	0	0	0
TOTAL:		5	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF ENL		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - USN					
CV 67 USS John F. Kennedy, 03367					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 65 USS Enterprise, 03365					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 69 USS Dwight D. Eisenhower, 03369					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 71 USS Theodore Roosevelt, 21247					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 73 USS George Washington, 21412					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 75 USS Harry S. Truman, 21853					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 76 USS Ronald Reagan, 22178					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
HCS-4, 53811					
TAR	0	1	AT2	6611	6609
ACTIVITY TOTAL:	0	1			
HM-14, 53827					
ACDU	0	2	AT2	6611	6609
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHA 2 USS Saipan, 20632					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHA 4 USS Nassau, 20725					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 1 USS Wasp, 21560					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 3 USS Kearsarge, 21700					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 5 USS Bataan, 21879					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 7 USS Iwo Jima, 23027					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
VAQ-209, 53870					
SELRES	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			
VAW-78, 09102					
TAR	0	3	AT3	6609	
ACTIVITY TOTAL:	0	3			
VC-6, 09806					
ACDU	0	1	AT1	6609	
	0	1	AT3	6609	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VP-10, 09639					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-16, 09229					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-26, 09610					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-45, 09665					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-5, 09630					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-8, 09661					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VR-53, 55617					
TAR	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
VR-62, 09324					
TAR	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CV 63 USS Kitty Hawk, 03363					
ACDU	0	1	AT2	6609	6607
	0	1	AT2	6609	6612
	0	1	AT3	6609	6607
	0	1	AT3	6609	9527
ACTIVITY TOTAL:	0	4			
CV 64 USS Constellation, 03364					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 68 USS Nimitz, 03368					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 70 USS Carl Vinson, 20993					
SELRES	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 72 USS Abraham Lincoln, 21297					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
CVN 74 USS John C. Stennis, 21847					
ACDU	0	1	AT3	6609	6607
ACTIVITY TOTAL:	0	1			
HCS-5, 53812					
SELRES	0	1	AT2	6611	6609
ACTIVITY TOTAL:	0	1			
HM-15, 55201					
ACDU	0	1	AT2	6611	6609
TAR	0	1	AT2	6611	6609
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHA 1 USS Tarawa, 20550					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHA 3 USS Belleau Wood, 20633					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHA 5 USS Peleliu, 20748					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 2 USS Essex, 21533					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 4 USS Boxer, 21808					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
LHD 6 USS Bonhomme Richard, 22202					
ACDU	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
VP-1, 09618					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-4, 09623					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-40, 09674					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-46, 09632					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VP-47, 09600					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VP-9, 09644					
ACDU	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	1			
VQ-1 Det Misawa, Japan, 09081					
ACDU	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			
VR-54, 52895					
TAR	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
VR-55, 53855					
TAR	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	1			
OPERATIONAL ACTIVITIES - USMC					
HMH-461, 01461					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMH-464, 01464					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMH-772, 01772					
USMC	0	1	LCPL	6413	
SMCR		1	LCPL	6413	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA-167, 01167					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			
HMLA-269, 01269					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			
HMLA-773, 01773					
USMC	0	1	LCPL	6413	
	0	1	SGT	6413	
SMCR		1	LCPL	6413	
		1	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMLA-773 Det A, 59221					
USMC	0	1	SGT	6413	
SMCR	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
HMLA-775 Det A, 01778					
USMC	0	1	SGT	6413	
SMCR	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
HMM-162, 01162					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-261, 01261					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-263, 01263					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM-264, 01264					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-266, 01266					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-365, 01365					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-774, 01774					
USMC	0	1	LCPL	6413	
	0	1	SGT	6413	
SMCR	0	1	CPL	6413	
ACTIVITY TOTAL:	0	3			
HMT-302, 01181					
USMC	0	2	CPL	6413	
	0	6	LCPL	6413	
ACTIVITY TOTAL:	0	8			
HMX-1, 02403					
USMC	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	2			
VMA-223, 01223					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMA-231, 01231					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMA-542, 01542					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMAQ-1, 01237					
USMC	0	1	CPL	6413	
	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
VMAQ-2, 01238					
USMC	0	1	CPL	6413	
	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
VMAQ-3, 01239					
USMC	0	1	CPL	6413	
	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
VMAQ-4, 01012					
USMC	0	1	CPL	6413	
	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
VMAT-203, 01203					
USMC	0	2	CPL	6413	
	0	5	LCPL	6413	
ACTIVITY TOTAL:	0	7			
VMFA(AW)-224, 01224					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMFA(AW)-332, 01332					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA(AW)-533, 01533					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMFA-115, 01115					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-122, 01122					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-142, 01151					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-251, 01251					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-312, 01312					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-321, 01321					
AR	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMGR-252 Det, 01252					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMGR-253 Det, 01253					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMGR-452, 01233					
USMC	0	2	CPL	6413	
	0	1	LCPL	6413	
SMCR		3	LCPL	6413	
ACTIVITY TOTAL:	0	6			
VMGR-452 Det, 01233					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMGRT-253, 01247					
USMC	0	1	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	4			
VMM (Future MV-22 Unit), 00000					
USMC	0	2	CPL	6413	
ACTIVITY TOTAL:	0	2			
VMMT-204, 01171					
USMC	0	2	CPL	6413	
	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	6			
VMR-1, 02007					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			
VMU-2, 01490					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			
HMH-361, 01361					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMH-362, 01362					
USMC	0	4	LCPL	6413	
ACTIVITY TOTAL:	0	4			
HMH-363, 01363					
USMC	0	4	LCPL	6413	
ACTIVITY TOTAL:	0	4			
HMH-462, 01462					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMH-463, 01463					
USMC	0	4	LCPL	6413	
ACTIVITY TOTAL:	0	4			
HMH-465, 01465					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMH-466, 01466					
USMC	0	2	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMH-769, 01769					
USMC	0	1	LCPL	6413	
SMCR		1	LCPL	6413	
ACTIVITY TOTAL:	0	2			
HMLA-169, 01173					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA-267, 01267					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			
HMLA-367, 01367					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			
HMLA-369, 01369					
USMC	0	3	LCPL	6413	
	0	3	SGT	6413	
ACTIVITY TOTAL:	0	6			
HMLA-775, 04780					
USMC	0	1	LCPL	6413	
	0	1	SGT	6413	
SMCR		1	LCPL	6413	
		1	SGT	6413	
ACTIVITY TOTAL:	0	4			
HMM(T)-164, 01175					
USMC	0	3	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	5			
HMM-161, 01161					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-163, 01163					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-165, 01165					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMM-166, 01166					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-262, 01262					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-265, 01265					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-268, 01268					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-364, 01364					
USMC	0	1	CPL	6413	
	0	1	SGT	6413	
ACTIVITY TOTAL:	0	2			
HMM-764, 01764					
USMC	0	1	LCPL	6413	
	0	1	SGT	6413	
SMCR	0	1	CPL	6413	
ACTIVITY TOTAL:	0	3			
HMT-301, 01170					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
HMT-303, 01303					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VAQ-129, 06041					
USMC	0	1	SGT	6413	
ACTIVITY TOTAL:	0	1			
VMA-211, 01211					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMA-214, 01214					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMA-311, 01311					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMA-513, 01513					
USMC	0	2	CPL	6413	
	0	3	LCPL	6413	
ACTIVITY TOTAL:	0	5			
VMFA(AW)-121, 01121					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMFA(AW)-225, 01225					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMFA(AW)-242, 01242					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA-112, 01130					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-134, 01134					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-212, 01212					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-232, 01232					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-314, 01314					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFA-323, 01323					
USMC	0	1	LCPL	6413	
ACTIVITY TOTAL:	0	1			
VMFAT-101, 01192					
USMC	0	3	CPL	6413	
	0	9	LCPL	6413	
ACTIVITY TOTAL:	0	12			
VMGR-152 Det, 09443					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMGR-234, 01234					
USMC	0	2	CPL	6413	
	0	1	LCPL	6413	
SMCR		3	LCPL	6413	
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMGR-234 Det, 01234					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMGR-352 Det, 01352					
USMC	0	1	CPL	6413	
	0	2	LCPL	6413	
ACTIVITY TOTAL:	0	3			
VMM (Future MV-22 Unit), 00000					
USMC	0	2	CPL	6413	
ACTIVITY TOTAL:	0	2			
VMU-1, 01480					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - USN					
AIMD, COMFAIR Keflavik, Iceland, 44335					
ACDU	0	1	AT3	6609	
ACTIVITY TOTAL:	0	1			
AIMD, NAS Brunswick, 44314					
ACDU	0	1	AT2	6717	6609
	0	2	AT3	6609	
ACTIVITY TOTAL:	0	3			
AIMD, NAS Jacksonville, 44319					
ACDU	0	1	AT1	6609	
	0	1	AT2	6609	
	0	6	AT3	6609	
	0	1	AT3	6609	9527
	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	10			
AIMD, NAS Key West, 44320					
ACDU	0	1	AT3	6609	9527
ACTIVITY TOTAL:	0	1			
AIMD, NAS Norfolk, 44325					
ACDU	0	1	AT1	6609	
	0	1	AT2	6607	6609
	0	1	AT2	6609	6612
	0	1	AT2	6611	6609
	0	1	AT2	6612	6609
	0	1	AT3	6609	6612
	0	1	AT3	6612	6609
ACTIVITY TOTAL:	0	7			
AIMD, NAS Oceana, 44327					
ACDU	0	1	AT1	6609	
	0	1	AT2	6605	6609
	0	1	AT2	6609	
	0	3	AT3	6609	6611
ACTIVITY TOTAL:	0	6			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
AIMD, NAS Sigonella, Sicily, 44330					
ACDU	0	2	AT3	6609	
	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	3			
AIMD, NAVSTA Mayport, 45459					
ACDU	0	1	AT1	6609	
	0	1	AT3	6609	
	0	1	AT3	6609	9527
	0	1	ATAN	6609	
ACTIVITY TOTAL:	0	4			
AIMD, NAVSTA Roosevelt Roads, Puerto Rico, 44373					
ACDU	0	3	AT3	6609	
ACTIVITY TOTAL:	0	3			
AIMU Rota, Spain, 44374					
ACDU	0	2	AT2	6609	
SELRES	0	1	AT2	6609	
	0	1	AT3	6609	
ACTIVITY TOTAL:	0	4			
Beaufort SEAOPDET, 46961					
ACDU	0	1	AT2	6609	6607
ACTIVITY TOTAL:	0	1			
NAS Norfolk SEAOPDET, 46966					
ACDU	0	5	AT2	6611	6609
ACTIVITY TOTAL:	0	5			
NAS Oceana SEAOPDET, 46963					
ACDU	0	8	AT3	6609	9527
	0	4	ATAN	6609	
ACTIVITY TOTAL:	0	12			
NAVTESTWINGLANT, Patuxent River, 39782					
ACDU	0	2	AT2	6609	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAWCAD OPDET, Patuxent River, 35679					
ACDU	0	1	AT2	6611	6609
	0	1	AT3	6609	6613
ACTIVITY TOTAL:	0	2			
RAIMD, NAF Washington, D.C., 44492					
TAR	0	1	ATAN	6609	
	0	1	ATAN	6609	6613
ACTIVITY TOTAL:	0	2			
RAIMD, NAS Willow Grove, 44493					
TAR	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			
ABFC FMP Alpha, Point Mugu, 49738					
TAR	0	2	AT2	6717	6609
ACTIVITY TOTAL:	0	2			
ABFC FMP MMF Hotel, New Orleans, 68822					
TAR	0	2	AT2	6717	6609
ACTIVITY TOTAL:	0	2			
AIMD, CFWP Det Atsugi, Japan, 44323					
ACDU	0	2	AT2	6609	
ACTIVITY TOTAL:	0	2			
AIMD, CFWP Det Diego Garcia, Chagos Islands, 44337					
ACDU	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			
AIMD, CFWP Det Misawa, Japan, 44331					
ACDU	0	1	AT1	6612	6609
ACTIVITY TOTAL:	0	1			
AIMD, COMAEWWINGPAC Det, 44328					
ACDU	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
AIMD, COMSEACONTROLWINGPAC Det, 44326					
ACDU	0	1	AT1	6609	
	0	3	AT2	6609	
	0	5	AT3	6609	
ACTIVITY TOTAL:	0	9			
AIMD, COMSTRKFIGHTWINGPAC Det, 44321					
ACDU	0	1	AT1	6609	
	0	1	AT2	6609	
	0	2	AT3	6609	
ACTIVITY TOTAL:	0	4			
AIMD, COMVAQWINGPAC Det, 44329					
ACDU	0	1	AT2	6609	
ACTIVITY TOTAL:	0	1			
AIMD, MCBH Kaneohe Bay, 44312					
ACDU	0	1	AT1	6609	
	0	1	ATAN	6609	6717
ACTIVITY TOTAL:	0	2			
AIMD, NAS Corpus Christi, 30244					
ACDU	0	2	AT2	6609	
ACTIVITY TOTAL:	0	2			
AIMU, Fallon AIMD, 44317					
ACDU	0	1	AT2	6607	6609
	0	1	AT3	6609	
ACTIVITY TOTAL:	0	2			
CV/CVN SEAOPDET Lemoore, 46964					
ACDU	0	5	ATAN	6609	
ACTIVITY TOTAL:	0	5			
CV/CVN SEAOPDET Point Mugu, 46962					
ACDU	0	4	AT2	6611	6609
ACTIVITY TOTAL:	0	4			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
EA-6B Van OPDET, 31179					
ACDU	0	5	ATAN	6609	6717
ACTIVITY TOTAL:	0	5			
RAIMD, NAS Fort Worth JRB, 44487					
TAR	0	2	AT2	6609	6611
	0	1	AT3	6609	6611
ACTIVITY TOTAL:	0	3			
RAIMD, NAS New Orleans, 44490					
TAR	0	1	AT3	6716	6609
ACTIVITY TOTAL:	0	1			
FLEET SUPPORT ACTIVITIES - USMC					
H&HS MCAS Beaufort, 02031					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			
MATSG-21, 06050					
USMC	0	1	LCPL	6413	
	0	2	SGT	6413	
ACTIVITY TOTAL:	0	3			
H&HS MCAS Iwakuni, 02501					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			
H&HS MCAS Yuma, 02230					
USMC	0	1	CPL	6413	
ACTIVITY TOTAL:	0	1			
MALS-24(-), 01071					
USMC	0	2	CPL	6413	
ACTIVITY TOTAL:	0	2			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF ENL	CFY04 OFF ENL	FY05 OFF ENL	FY06 OFF ENL	FY07 OFF ENL	FY08 OFF ENL
USN OPERATIONAL ACTIVITIES - ACDU							
AT1	6609	1	0	0	0	0	0
AT2	6609	1	0	0	0	0	0
AT2	6609 6607	1	0	0	0	0	0
AT2	6609 6612	1	0	0	0	0	0
AT2	6611 6609	4	0	0	0	0	0
AT3	6609	1	0	0	0	0	0
AT3	6609 6607	12	0	0	0	0	0
AT3	6609 9527	1	0	0	0	0	0
ATAN	6609	12	0	0	0	0	0
ATAN	6609 6717	12	0	0	0	0	0
USN OPERATIONAL ACTIVITIES - TAR							
AT2	6611 6609	1	0	0	0	0	0
AT3	6609	3	0	0	0	0	0
ATAN	6609	4	0	0	0	0	0
USN OPERATIONAL ACTIVITIES - SELRES							
AT2	6609	1	0	0	0	0	0
AT2	6611 6609	1	0	0	0	0	0
AT3	6609 6607	1	0	0	0	0	0
USMC OPERATIONAL ACTIVITIES - USMC							
CPL	6413	72	0	0	0	0	0
LCPL	6413	148	0	0	0	0	0
SGT	6413	54	0	0	0	0	0
USMC OPERATIONAL ACTIVITIES - SMCR							
CPL	6413	1	0	0	0	0	0
LCPL	6413	9	0	0	0	0	0
SGT	6413	1	0	0	0	0	0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF ENL	CFY04 OFF ENL	FY05 OFF ENL	FY06 OFF ENL	FY07 OFF ENL	FY08 OFF ENL
USN FLEET SUPPORT ACTIVITIES - ACDU							
AT1	6609	7	0	0	0	0	0
AT1	6612 6609	1	0	0	0	0	0
AT2	6605 6609	1	0	0	0	0	0
AT2	6607 6609	2	0	0	0	0	0
AT2	6609	17	0	0	0	0	0
AT2	6609 6607	1	0	0	0	0	0
AT2	6609 6612	1	0	0	0	0	0
AT2	6611 6609	11	0	0	0	0	0
AT2	6612 6609	1	0	0	0	0	0
AT2	6717 6609	1	0	0	0	0	0
AT3	6609	23	0	0	0	0	0
AT3	6609 6611	3	0	0	0	0	0
AT3	6609 6612	1	0	0	0	0	0
AT3	6609 6613	1	0	0	0	0	0
AT3	6609 9527	11	0	0	0	0	0
AT3	6612 6609	1	0	0	0	0	0
ATAN	6609	12	0	0	0	0	0
ATAN	6609 6717	6	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - TAR							
AT2	6609	1	0	0	0	0	0
AT2	6609 6611	2	0	0	0	0	0
AT2	6717 6609	4	0	0	0	0	0
AT3	6609 6611	1	0	0	0	0	0
AT3	6716 6609	1	0	0	0	0	0
ATAN	6609	1	0	0	0	0	0
ATAN	6609 6613	1	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - SELRES							
AT2	6609	1	0	0	0	0	0
AT3	6609	1	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - USMC							
CPL	6413	5	0	0	0	0	0
LCPL	6413	1	0	0	0	0	0
SGT	6413	2	0	0	0	0	0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF ENL	CFY04 OFF ENL	FY05 OFF ENL	FY06 OFF ENL	FY07 OFF ENL	FY08 OFF ENL
SUMMARY TOTALS:							
USN OPERATIONAL ACTIVITIES - ACDU		46	0	0	0	0	0
USN OPERATIONAL ACTIVITIES - TAR		8	0	0	0	0	0
USN OPERATIONAL ACTIVITIES - SELRES		3	0	0	0	0	0
USMC OPERATIONAL ACTIVITIES - USMC		274	0	0	0	0	0
USMC OPERATIONAL ACTIVITIES - SMCR		11	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - ACDU		101	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - TAR		11	0	0	0	0	0
USN FLEET SUPPORT ACTIVITIES - SELRES		2	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - USMC		8	0	0	0	0	0
GRAND TOTALS:							
USN - ACDU		147	0	0	0	0	0
USN - TAR		19	0	0	0	0	0
USN - SELRES		5	0	0	0	0	0
USMC - USMC		282	0	0	0	0	0
USMC - SMCR		11	0	0	0	0	0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY04		FY05		FY06		FY07		FY08	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: MTU 1007 CNATTU Oceana, 66045

INSTRUCTOR BILLETS

USN														
AT1	6609	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	2	0	2	0	2	0	2	0	2	0	2

TRAINING ACTIVITY, LOCATION, UIC: MTU 1011 CNATTU Jacksonville, 66051

INSTRUCTOR BILLETS

USN														
AT1	6609	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	3	0	3	0	3	0	3	0	3	0	3

TRAINING ACTIVITY, LOCATION, UIC: MTU 1038 CNATTU Lemoore, 66060

INSTRUCTOR BILLETS

USN														
AT1	6609	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	2	0	2	0	2	0	2	0	2	0	2

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY04		FY05		FY06		FY07		FY08	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: CNATT MARUNIT Cherry Point, 02002

INSTRUCTOR BILLETS

USMC													
SGT	6413	0	4	0	4	0	4	0	4	0	4	0	4
TOTAL:		0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: CNATT MARUNIT New River, 02021

INSTRUCTOR BILLETS

USMC													
SGT	6413	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	1	0	1	0	1	0	1	0	1	0	1

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY04		FY05		FY06		FY07		FY08	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1007 CNATTU Oceana, 66045	USN	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.7
MTU 1011 CNATTU Jacksonville, 66051	USN	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
MTU 1038 CNATTU Lemoore, 66060	USN	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9	0.0	3.9
CNATT MARUNIT New River, 02021	USMC	0.0	5.4	0.0	5.4	0.0	5.4	0.0	5.4	0.0	5.4	0.0	5.4
CNATT MARUNIT Cherry Point, 02002	USMC	0.0	6.6	0.0	6.6	0.0	6.6	0.0	6.6	0.0	6.6	0.0	6.6
SUMMARY TOTALS:													
	USN	0.0	7.6	0.0	7.6	0.0	7.6	0.0	7.6	0.0	7.6	0.0	7.6
	USMC	0.0	12.0	0.0	12.0	0.0	12.0	0.0	12.0	0.0	12.0	0.0	12.0
GRAND TOTALS:													
		0.0	19.6	0.0	19.6	0.0	19.6	0.0	19.6	0.0	19.6	0.0	19.6

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY04 +/- CUM	FY05 +/- CUM	FY06 +/- CUM	FY07 +/- CUM	FY08 +/- CUM
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a. OFFICER - USN Not Applicable

b. ENLISTED - USN

Operational Billets ACDU and TAR

AT1	6609		1	0	1	0	1	0	1	0	1	0	1
AT2	6609		1	0	1	0	1	0	1	0	1	0	1
AT2	6609	6607	1	0	1	0	1	0	1	0	1	0	1
AT2	6609	6612	1	0	1	0	1	0	1	0	1	0	1
AT2	6611	6609	5	0	5	0	5	0	5	0	5	0	5
AT3	6609		4	0	4	0	4	0	4	0	4	0	4
AT3	6609	6607	12	0	12	0	12	0	12	0	12	0	12
AT3	6609	9527	1	0	1	0	1	0	1	0	1	0	1
ATAN	6609		16	0	16	0	16	0	16	0	16	0	16
ATAN	6609	6717	12	0	12	0	12	0	12	0	12	0	12

Fleet Support Billets ACDU and TAR

AT1	6609		7	0	7	0	7	0	7	0	7	0	7
AT1	6612	6609	1	0	1	0	1	0	1	0	1	0	1
AT2	6605	6609	1	0	1	0	1	0	1	0	1	0	1
AT2	6607	6609	2	0	2	0	2	0	2	0	2	0	2
AT2	6609		18	0	18	0	18	0	18	0	18	0	18
AT2	6609	6607	1	0	1	0	1	0	1	0	1	0	1
AT2	6609	6611	2	0	2	0	2	0	2	0	2	0	2
AT2	6609	6612	1	0	1	0	1	0	1	0	1	0	1
AT2	6611	6609	11	0	11	0	11	0	11	0	11	0	11
AT2	6612	6609	1	0	1	0	1	0	1	0	1	0	1
AT2	6717	6609	5	0	5	0	5	0	5	0	5	0	5
AT3	6609		23	0	23	0	23	0	23	0	23	0	23
AT3	6609	6611	4	0	4	0	4	0	4	0	4	0	4
AT3	6609	6612	1	0	1	0	1	0	1	0	1	0	1
AT3	6609	6613	1	0	1	0	1	0	1	0	1	0	1
AT3	6609	9527	11	0	11	0	11	0	11	0	11	0	11
AT3	6612	6609	1	0	1	0	1	0	1	0	1	0	1
AT3	6716	6609	1	0	1	0	1	0	1	0	1	0	1
ATAN	6609		13	0	13	0	13	0	13	0	13	0	13
ATAN	6609	6613	1	0	1	0	1	0	1	0	1	0	1
ATAN	6609	6717	6	0	6	0	6	0	6	0	6	0	6

Staff Billets ACDU and TAR

AT1	6609	9502	7	0	7	0	7	0	7	0	7	0	7
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Chargeable Student Billets ACDU and TAR

8	0	8	0	8	0	8	0	8	0	8	0	8
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II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY04 +/-	CUM	FY05 +/-	CUM	FY06 +/-	CUM	FY07 +/-	CUM	FY08 +/-	CUM
SELRES Billets													
AT2	6609		2	0	2	0	2	0	2	0	2	0	2
AT2	6611	6609	1	0	1	0	1	0	1	0	1	0	1
AT3	6609		1	0	1	0	1	0	1	0	1	0	1
AT3	6609	6607	1	0	1	0	1	0	1	0	1	0	1

TOTAL USN ENLISTED BILLETS:

Operational			54	0	54	0	54	0	54	0	54	0	54
Fleet Support			112	0	112	0	112	0	112	0	112	0	112
Staff			7	0	7	0	7	0	7	0	7	0	7
Chargeable Student			8	0	8	0	8	0	8	0	8	0	8
SELRES			5	0	5	0	5	0	5	0	5	0	5

c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC

Operational Billets USMC and SMCR

CPL	6413	73	0	73	0	73	0	73	0	73	0	73
LCPL	6413	157	0	157	0	157	0	157	0	157	0	157
SGT	6413	55	0	55	0	55	0	55	0	55	0	55

Fleet Support Billets USMC and SMCR

CPL	6413	5	0	5	0	5	0	5	0	5	0	5
LCPL	6413	1	0	1	0	1	0	1	0	1	0	1
SGT	6413	2	0	2	0	2	0	2	0	2	0	2

Staff Billets USMC and SMCR

SGT	6413	5	0	5	0	5	0	5	0	5	0	5
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Chargeable Student Billets USMC and SMCR

12	0	12	0	12	0	12	0	12	0	12	0	12
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II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY04 +/- CUM	FY05 +/- CUM	FY06 +/- CUM	FY07 +/- CUM	FY08 +/- CUM
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TOTAL USMC ENLISTED BILLETS:

Operational			285	0 285	0 285	0 285	0 285	0 285
Fleet Support			8	0 8	0 8	0 8	0 8	0 8
Staff			5	0 5	0 5	0 5	0 5	0 5
Chargeable Student			12	0 12	0 12	0 12	0 12	0 12

II.B. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance
COURSE LENGTH: 9.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY04		FY05		FY06		FY07		FY08	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1007 CNATTU Oceana												
	USN	ACDU		15		15		15		15		15
		TAR		1		1		1		1		1
		SELRES		0		0		0		1		0
MTU 1011 CNATTU Jacksonville												
	USN	ACDU		6		6		6		6		6
		TOTAL:		22		22		22		23		22

CIN, COURSE TITLE: E-102-6039, Electronics Identification Equipment Intermediate Maintenance
COURSE LENGTH: 9.4 Weeks **NAVY TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY04		FY05		FY06		FY07		FY08	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 1038 CNATTU Lemoore												
	USN	ACDU		20		20		20		20		20
		TAR		3		3		3		3		3
		SELRES		0		0		0		1		0
		TOTAL:		23		23		23		24		23

CIN, COURSE TITLE: M-102-6413, Aircraft Navigation Systems Equipment Intermediate Maintenance
COURSE LENGTH: 9.4 Weeks **BACKOUT FACTOR:** 0.19
ATTRITION FACTOR: USMC: 0%

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY04		FY05		FY06		FY07		FY08	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CNATT MARUNIT MCAS New River												
	USMC	USMC		28		28		28		28		28
		SMCR		2		2		2		2		2
CNATT MARUNIT MCAS Cherry Point												
	USMC	USMC		36		36		36		36		36
		SMCR		1		1		1		1		1
		TOTAL:		67		67		67		67		67

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AN/APX-100 Transponder Set, and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1007 CNATTU
LOCATION, UIC: NAS Oceana, 66045

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	16		16		16		16		16	ATIR
	14		14		14		14		14	Output
	2.7		2.7		2.7		2.7		2.7	AOB
	2.7		2.7		2.7		2.7		2.7	Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		1		0	ATIR
	0		0		0		1		0	Output
	0.0		0.0		0.0		0.2		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1011 CNATTU
LOCATION, UIC: NAS Jacksonville, 66051

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	6		6		6		6		6	ATIR
	5		5		5		5		5	Output
	1.0		1.0		1.0		1.0		1.0	AOB
	1.0		1.0		1.0		1.0		1.0	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
23		23		23		23		23		ATIR
21		21		21		21		21		Output
3.9		3.9		3.9		3.9		3.9		AOB
3.9		3.9		3.9		3.9		3.9		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		1		0		ATIR
0		0		0		1		0		Output
0.0		0.0		0.0		0.2		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: M-102-6413, Aircraft Navigation Systems Equipment Intermediate Maintenance
TRAINING ACTIVITY: CNATT MARUNIT New River
LOCATION, UIC: MCAS New River, 02021

SOURCE: USMC **STUDENT CATEGORY:** USMC - SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
30		30		30		30		30		ATIR
30		30		30		30		30		Output
5.4		5.4		5.4		5.4		5.4		AOB
5.4		5.4		5.4		5.4		5.4		Chargeable

CIN, COURSE TITLE: M-102-6413, Aircraft Navigation Systems Equipment Intermediate Maintenance
TRAINING ACTIVITY: CNATT MARUNIT Cherry Point
LOCATION, UIC: MCAS Cherry Point, 02002

SOURCE: USMC **STUDENT CATEGORY:** USMC - SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
37		37		37		37		37		ATIR
37		37		37		37		37		Output
6.6		6.6		6.6		6.6		6.6		AOB
6.6		6.6		6.6		6.6		6.6		Chargeable

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AN/APX-100 Transponder Set, and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1007 CNATTU
LOCATION, UIC: NAS Oceana, 66045

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	16		16		16		16		16	ATIR
	14		14		14		14		14	Output
	2.7		2.7		2.7		2.7		2.7	AOB
	2.7		2.7		2.7		2.7		2.7	Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		1		0	ATIR
	0		0		0		1		0	Output
	0.0		0.0		0.0		0.2		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: D-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1011 CNATTU
LOCATION, UIC: NAS Jacksonville, 66051

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	6		6		6		6		6	ATIR
	5		5		5		5		5	Output
	1.0		1.0		1.0		1.0		1.0	AOB
	1.0		1.0		1.0		1.0		1.0	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-102-6039, Electronics Identification Equipment Intermediate Maintenance
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

SOURCE: USN **STUDENT CATEGORY:** ACDU - TAR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
23		23		23		23		23		ATIR
21		21		21		21		21		Output
3.9		3.9		3.9		3.9		3.9		AOB
3.9		3.9		3.9		3.9		3.9		Chargeable

SOURCE: USN **STUDENT CATEGORY:** SELRES

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
0		0		0		1		0		ATIR
0		0		0		1		0		Output
0.0		0.0		0.0		0.2		0.0		AOB
0.0		0.0		0.0		0.0		0.0		Chargeable

CIN, COURSE TITLE: M-102-6413, Aircraft Navigation Systems Equipment Intermediate Maintenance
TRAINING ACTIVITY: CNATT MARUNIT New River
LOCATION, UIC: MCAS New River, 02021

SOURCE: USMC **STUDENT CATEGORY:** USMC - SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
30		30		30		30		30		ATIR
30		30		30		30		30		Output
5.4		5.4		5.4		5.4		5.4		AOB
5.4		5.4		5.4		5.4		5.4		Chargeable

CIN, COURSE TITLE: M-102-6413, Aircraft Navigation Systems Equipment Intermediate Maintenance
TRAINING ACTIVITY: CNATT MARUNIT Cherry Point
LOCATION, UIC: MCAS Cherry Point, 02002

SOURCE: USMC **STUDENT CATEGORY:** USMC - SMCR

CFY04		FY05		FY06		FY07		FY08		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
37		37		37		37		37		ATIR
37		37		37		37		37		Output
6.6		6.6		6.6		6.6		6.6		AOB
6.6		6.6		6.6		6.6		6.6		Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AN/APX-100 Transponder Set, and, therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.2. Training Devices

IV.B.1. Training Services

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)

TRAINING ACTIVITY: MTU 1007 CNATTU

LOCATION, UIC: NAS Oceana, 66045

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
SPTE					
300	Load Bank, Power Supply (4019245)	1	Oct 96	CFE	Onboard
301	Power Meter	1	Oct 96	CFE	Onboard
302	Thermistor Mount	1	Oct 96	CFE	Onboard
GPETE					
400	Transmitter, Power Supply Assembly	1	Oct 96	CFE	Onboard
401	Control, Transponder Set (112906)	1	Oct 96	CFE	Onboard
402	Test Set, Transponder	1	Oct 96	CFE	Onboard
403	Test Set, Transponder AN/APM239A	1	Oct 96	CFE	Onboard
404	Test Set, Interrogator AN/APM268	1	Oct 96	CFE	Onboard
405	Control, Transponder Set AE-230AA-MIB-000	1	Oct 96	CFE	Onboard
406	Test Set, Transponder AN/APM421	1	Oct 96	CFE	Onboard
407	Test Set, Transponder AN/APM245	1	Oct 96	CFE	Onboard
408	Test Set, Radar AN/UPM137A	1	Oct 96	CFE	Onboard
409	Oscilloscope	1	Oct 96	CFE	Onboard
410	Digital Multimeter	1	Oct 96	CFE	Onboard
411	Pulse Generator HP214A	1	Oct 96	CFE	Onboard
412	Electronic Counter	1	Oct 96	CFE	Onboard
SPETE					
500	Receiver-Transmitter RT868B/APX-76	1	Oct 96	CFE	Onboard
501	Synchronizer SN416A/APX-76	1	Oct 96	CFE	Onboard
502	Switch Amplifier SA1568/APX-76	1	Oct 96	CFE	Onboard
503	Receiver-Transmitter RT1157A/APX100(V)	1	Oct 96	CFE	Onboard
504	Receiver-Transmitter RT1284A/APX100(V)	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

505	Receiver-Transmitter RT988/APX76	1	Oct 96	CFE	Onboard
506	Receiver-Transmitter RT859A/APX72	1	Oct 96	CFE	Onboard
507	Electronic Component Assembly 4047546	1	Oct 96	CFE	Onboard
508	RF Module/RT1157 (4047547)	1	Oct 96	CFE	Onboard
509	Processor Circuit Card Assembly A2 (4047434)	1	Oct 96	CFE	Onboard
510	Coder II CCA A3 (4044162)	1	Oct 96	CFE	Onboard
511	Coder I CCA A4 (4044351)	1	Oct 96	CFE	Onboard
512	BIT Control CCA A5 (4044336)	1	Oct 96	CFE	Onboard
513	Mode 4 CCA A6 (4047430)	1	Oct 96	CFE	Onboard
514	Circuit Card Assembly 4030070	1	Oct 96	CFE	Onboard
515	Circuit Card Assembly 4023412	1	Oct 96	CFE	Onboard
516	Circuit Card Assembly 4023415	1	Oct 96	CFE	Onboard
517	Mode 4 CCA A3	1	Oct 96	CFE	Onboard
518	Encoder Clock CCA A4	1	Oct 96	CFE	Onboard
519	Encoder Gating CCA A6	1	Oct 96	CFE	Onboard
520	Power Supply A7	1	Oct 96	CFE	Onboard
521	Interface CCA A8	1	Oct 96	CFE	Onboard

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)

TRAINING ACTIVITY: MTU 1011 CNATTU

LOCATION, UIC: NAS Jacksonville, 66051

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
SPTE					
300	Load Bank, Power Supply (4019245)	1	Oct 96	CFE	Onboard
301	Power Meter	1	Oct 96	CFE	Onboard
302	Thermistor Mount	1	Oct 96	CFE	Onboard
GPETE					
400	Transmitter, Power Supply Assy.	1	Oct 96	CFE	Onboard
401	Control, Transponder Set (112906)	1	Oct 96	CFE	Onboard
402	Test Set, Transponder	1	Oct 96	CFE	Onboard
403	Test Set, Transponder AN/APM239A	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

404	Test Set, Interrogator AN/APM268	1	Oct 96	CFE	Onboard
405	Control, Transponder Set AE-230AA-MIB-000	1	Oct 96	CFE	Onboard
406	Test Set, Transponder AN/APM421	1	Oct 96	CFE	Onboard
407	Test Set, Transponder AN/APM245	1	Oct 96	CFE	Onboard
408	Test Set, Radar AN/UPM137A	1	Oct 96	CFE	Onboard
409	Oscilloscope	1	Oct 96	CFE	Onboard
410	Digital Multimeter	1	Oct 96	CFE	Onboard
411	Pulse Generator HP214A	1	Oct 96	CFE	Onboard
412	Electronic Counter	1	Oct 96	CFE	Onboard

SPETE

500	Receiver-Transmitter RT868B/APX-76	1	Oct 96	CFE	Onboard
501	Synchronizer SN416A/APX-76	1	Oct 96	CFE	Onboard
502	Switch Amplifier SA1568/APX-76	1	Oct 96	CFE	Onboard
503	Receiver-Transmitter RT1157A/APX100(V)	1	Oct 96	CFE	Onboard
504	Receiver-Transmitter RT1284A/APX100(V)	1	Oct 96	CFE	Onboard
505	Receiver-Transmitter RT988/APX76	1	Oct 96	CFE	Onboard
506	Receiver-Transmitter RT859A/APX72	1	Oct 96	CFE	Onboard
507	Electronic Component Assembly 4047546	1	Oct 96	CFE	Onboard
508	RF Module/RT1157 (4047547)	1	Oct 96	CFE	Onboard
509	Processor Circuit Card Assembly A2 (4047434)	1	Oct 96	CFE	Onboard
510	Coder II CCA A3 (4044162)	1	Oct 96	CFE	Onboard
511	Coder I CCA A4 (4044351)	1	Oct 96	CFE	Onboard
512	BIT Control CCA A5 (4044336)	1	Oct 96	CFE	Onboard
513	Mode 4 CCA A6 (4047430)	1	Oct 96	CFE	Onboard
514	Circuit Card Assembly 4030070	1	Oct 96	CFE	Onboard
515	Circuit Card Assembly 4023412	1	Oct 96	CFE	Onboard
516	Circuit Card Assembly 4023415	1	Oct 96	CFE	Onboard
517	Mode 4 CCA A3	1	Oct 96	CFE	Onboard
518	Encoder Clock CCA A4	1	Oct 96	CFE	Onboard
519	Encoder Gating CCA A6	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

520	Power Supply A7	1	Oct 96	CFE	Onboard
521	Interface CCA A8	1	Oct 96	CFE	Onboard

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track E-102-6039)

TRAINING ACTIVITY: MTU 1038 CNATTU

LOCATION, UIC: NAS Lemoore, 66060

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
SPTE					
300	Load Bank, Power Supply (4019245)	1	Oct 96	CFE	Onboard
301	Power Meter	1	Oct 96	CFE	Onboard
302	Thermistor Mount	1	Oct 96	CFE	Onboard
GPETE					
400	Transmitter, Power Supply Assy.	1	Oct 96	CFE	Onboard
401	Control, Transponder Set (112906)	1	Oct 96	CFE	Onboard
402	Test Set, Transponder	1	Oct 96	CFE	Onboard
403	Test Set, Transponder AN/APM239A	1	Oct 96	CFE	Onboard
404	Test Set, Interrogator AN/APM268	1	Oct 96	CFE	Onboard
405	Control, Transponder Set AE-230AA-MIB-000	1	Oct 96	CFE	Onboard
406	Test Set, Transponder AN/APM421	1	Oct 96	CFE	Onboard
407	Test Set, Transponder AN/APM245	1	Oct 96	CFE	Onboard
408	Test Set, Radar AN/UPM137A	1	Oct 96	CFE	Onboard
409	Oscilloscope	1	Oct 96	CFE	Onboard
410	Digital Multimeter	1	Oct 96	CFE	Onboard
411	Pulse Generator HP214A	1	Oct 96	CFE	Onboard
412	Electronic Counter	1	Oct 96	CFE	Onboard
500	Receiver-Transmitter RT868B/APX-76	1	Oct 96	CFE	Onboard
501	Synchronizer SN416A/APX-76	1	Oct 96	CFE	Onboard
502	Switch Amplifier SA1568/APX-76	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

SPETE

503	Receiver-Transmitter RT1157A/APX100(V)	1	Oct 96	CFE	Onboard
504	Receiver-Transmitter RT1284A/APX100(V)	1	Oct 96	CFE	Onboard
505	Receiver-Transmitter RT988/APX76	1	Oct 96	CFE	Onboard
506	Receiver-Transmitter RT859A/APX72	1	Oct 96	CFE	Onboard
507	Electronic Component Assembly 4047546	1	Oct 96	CFE	Onboard
508	RF Module/RT1157 (4047547)	1	Oct 96	CFE	Onboard
509	Processor Circuit Card Assembly A2 (4047434)	1	Oct 96	CFE	Onboard
510	Coder II CCA A3 (4044162)	1	Oct 96	CFE	Onboard
511	Coder I CCA A4 (4044351)	1	Oct 96	CFE	Onboard
512	BIT Control CCA A5 (4044336)	1	Oct 96	CFE	Onboard
513	Mode 4 CCA A6 (4047430)	1	Oct 96	CFE	Onboard
514	Circuit Card Assembly 4030070	1	Oct 96	CFE	Onboard
515	Circuit Card Assembly 4023412	1	Oct 96	CFE	Onboard
516	Circuit Card Assembly 4023415	1	Oct 96	CFE	Onboard
517	Mode 4 CCA A3	1	Oct 96	CFE	Onboard
518	Encoder Clock CCA A4	1	Oct 96	CFE	Onboard
519	Encoder Gating CCA A6	1	Oct 96	CFE	Onboard
520	Power Supply A7	1	Oct 96	CFE	Onboard
521	Interface CCA A8	1	Oct 96	CFE	Onboard

ST

200	Mount, Transponder	1	Oct 96	CFE	Onboard
300	Load Bank, Power Supply (4019245)	1	Oct 96	CFE	Onboard
303	Front Panel Circuit Assembly	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance
(Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT New River

LOCATION, UIC: MCAS New River, 02021

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
GPETE					
401	Control, Transponder Set (112906)	1	Oct 96	CFE	Onboard
406	Test Set, Transponder AN/APM421	1	Oct 96	CFE	Onboard
413	Receiver, Radio (4059369)	1	Oct 96	CFE	Onboard
414	Control, Transponder (4038849)	1	Oct 96	CFE	Onboard
415	Transponder Test Set AN/APM-239A	1	Oct 96	CFE	Onboard
416	Multimeter 77/BN	1	Oct 96	CFE	Onboard
417	Test Set, Radar AN/UMP155	1	Oct 96	CFE	Onboard
418	AN/APX-72 Radar Transponder System Test Bench (3826924)	1	Oct 96	CFE	Onboard
SPETE					
503	Receiver-Transmitter RT1157A/APX100(V)	1	Oct 96	CFE	Onboard
504	Receiver-Transmitter RT1284A/APX100(V)	1	Oct 96	CFE	Onboard
506	Receiver-Transmitter RT859A/APX72	1	Oct 96	CFE	Onboard
508	RF Module/RT1157 (4047547)	1	Oct 96	CFE	Onboard
509	Processor Circuit Card Assembly A2 (4047434)	1	Oct 96	CFE	Onboard
510	Coder II CCA A3 (4044162)	1	Oct 96	CFE	Onboard
511	Coder I CCA A4 (4044351)	1	Oct 96	CFE	Onboard
512	BIT Control CCA A5 (4044336)	1	Oct 96	CFE	Onboard
513	Mode 4 CCA A6 (4047430)	1	Oct 96	CFE	Onboard
520	Power Supply A7	1	Oct 96	CFE	Onboard
521	Interface CCA A8	1	Oct 96	CFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance
(Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT Cherry Point

LOCATION, UIC: MCAS Cherry Point, 02002

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
200	Mount, Transponder	1	Oct 96	CFE	Onboard
300	Load Bank, Power Supply (4019245)	1	Oct 96	CFE	Onboard
303	Front Panel Circuit Assembly	1	Oct 96	CFE	Onboard
GPETE					
401	Control, Transponder Set (112906)	1	Oct 96	CFE	Onboard
406	Test Set, Transponder AN/APM421	1	Oct 96	CFE	Onboard
413	Receiver, Radio (4059369)	1	Oct 96	CFE	Onboard
414	Control, Transponder (4038849)	1	Oct 96	CFE	Onboard
415	Transponder Test Set AN/APM-239A	1	Oct 96	CFE	Onboard
416	Multimeter 77/BN	1	Oct 96	CFE	Onboard
417	Test Set, Radar AN/UMP155	1	Oct 96	CFE	Onboard
418	AN/APX-72 Radar Transponder System Test Bench (3826924)	1	Oct 96	CFE	Onboard
SPETE					
503	Receiver-Transmitter RT1157A/APX100(V)	1	Oct 96	CFE	Onboard
504	Receiver-Transmitter RT1284A/APX100(V)	1	Oct 96	CFE	Onboard
506	Receiver-Transmitter RT859A/APX72	1	Oct 96	CFE	Onboard
508	RF Module/RT1157 (4047547)	1	Oct 96	CFE	Onboard
509	Processor Circuit Card Assembly A2 (4047434)	1	Oct 96	CFE	Onboard
510	Coder II CCA A3 (4044162)	1	Oct 96	CFE	Onboard
511	Coder I CCA A4 (4044351)	1	Oct 96	CFE	Onboard
512	BIT Control CCA A5 (4044336)	1	Oct 96	CFE	Onboard
513	Mode 4 CCA A6 (4047430)	1	Oct 96	CFE	Onboard
520	Power Supply A7	1	Oct 96	CFE	Onboard
521	Interface CCA A8	1	Oct 96	CFE	Onboard

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)

TRAINING ACTIVITY: MTU 1007 CNATTU

LOCATION, UIC: NAS Oceana, 66045

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide C-102-4052	3	Oct 96	Onboard
Projector, Overhead	1	Oct 96	Onboard
Student Test C-102-4052	50	Oct 96	Onboard
Trainee Guide C-102-4052	50	Oct 96	Onboard
Trainee Handout Materials C-102-4052 (Set of 125)	25	Oct 96	Onboard
Transparencies C-102-4052 (Set of 122)	1	Oct 96	Onboard

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)

TRAINING ACTIVITY: MTU 1011 CNATTU

LOCATION, UIC: NAS Jacksonville, 66051

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide C-102-4052	3	Oct 96	Onboard
Projector, Overhead	1	Oct 96	Onboard
Student Test C-102-4052	50	Oct 96	Onboard
Trainee Guide C-102-4052	50	Oct 96	Onboard
Trainee Handout Materials C-102-4052 (Set of 125)	25	Oct 96	Onboard
Transparencies C-102-4052 (Set of 122)	1	Oct 96	Onboard

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track E-102-6039)

TRAINING ACTIVITY: MTU 1038 CNATTU

LOCATION, UIC: NAS Lemoore, 66060

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide C-102-4052	3	Oct 96	Onboard
Projector, Overhead	1	Oct 96	Onboard
Student Test C-102-4052	50	Oct 96	Onboard
Trainee Guide C-102-4052	50	Oct 96	Onboard
Trainee Handout Materials C-102-4052 (Set of 125)	25	Oct 96	Onboard
Transparencies C-102-4052 (Set of 122)	1	Oct 96	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance (Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT New River

LOCATION, UIC: MCAS New River, 02021

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide C-102-4049	3	Oct 96	Onboard
Projector, Overhead Model 213 AKDE	1	Oct 96	Onboard
Student Test C-102-4049	50	Oct 96	Onboard
Trainee Guide C-102-4049	50	Oct 96	Onboard
Trainee Handout Materials C-102-4049	50	Oct 96	Onboard
Transparencies C-102-4049 (Set of 53)	1	Oct 96	Onboard

CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance (Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT Cherry Point

LOCATION, UIC: MCAS Cherry Point, 02002

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guide C-102-4049	3	Oct 96	Onboard
Projector, Overhead Model 213 AKDE	1	Oct 96	Onboard
Student Test C-102-4049	50	Oct 96	Onboard
Trainee Guide C-102-4049	50	Oct 96	Onboard
Trainee Handout Materials C-102-4049	50	Oct 96	Onboard
Transparencies C-102-4049 (Set of 53)	1	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)
TRAINING ACTIVITY: MTU 1007 CNATTU
LOCATION, UIC: CNATTU Oceana, 66045

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AE-230AA-MIB-000 Technical Manual, Intermediate Maintenance with IPB, AN/APX-100(V) Transponder Set	Hard copy	8	Oct 96	Onboard
AE-235AA-MIB-000 Technical Manual, Intermediate and Depot Maintenance with IPB, AN/APM-421 Transponder Test Set	Hard copy	8	Oct 96	Onboard
DOD-HDBK-263 Military Handbook, ESD Control Handbook for Protection of Electrical And Electronic Parts, Assemblies and Equipment (Excludes Electrically Initiated Explosive Devices)	Hard copy	8	Oct 96	Onboard
NA 16-30APM239A-2 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Test Set, Transponder Set, AN/APM-239A	Hard copy	8	Oct 96	Onboard
NA 16-30APM245-1 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Simulator Test Set, AN/APM-245	Hard copy	8	Oct 96	Onboard
NA 16-30APM268-1 Manual, Operation and Service Instructions with IPB, Interrogator Test Set, AN/APM-268A and Adapter Cable Assembly P/N 121981	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-2 Tech Manual, Intermediate and Direct/Gen Support Maint w/ Depot Overhaul Inst, Rcvr-Trsmtr, Radio, RT859/APX72, RT859A/APX72 and Mount MT3908/APX72	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-3 Technical Manual, IPB, Receiver-Transmitter, Radio, RT-859/APX-72, RT-859A/APX72 and Mounting MT-3908/APX-72, MT-3948/APX-72	Hard copy	8	Oct 96	Onboard
NA 16-30APX76-2 Technical Manual, Maintenance Instructions, Intermediate and Depot, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 16-30APX76-3 Technical Manual, Illustrated Parts Breakdown, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard
NA 16-30UPM137-6-1 Technical Manual, Operation, Maintenance, and Maintenance Standards for Radar Test Set, AN/UPM-137A	Hard copy	3	Oct 96	Onboard
NA 16-30UPM137-7 Operators Manual for Radar Test Set, AN/UPM-137A	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-1 Technical Manual, Operations, Organizational and Intermediate Maintenance Instructions, AN/UPM-155 Radar Test Set, Chapters 2 and 8	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-2 Technical Manual, Maintenance Instructions, Organizational and Intermediate, Radar Test Set, AN/UPM-155, Chapters 1, 3, 4, 5, and 6	Hard copy	8	Oct 96	Onboard
NA 16-35C6280-1 Tech Manual, Org/Field/Intermediate/DS,DG, and Depot Maint w/ IPB, Control, Transponder Set, C-6280(P)/APX, C-6280A(P)/APX, C-6717/APX, and C-7483/APX	Hard copy	8	Oct 96	Onboard
NA 16-35RT988-1 Technical Manual, Intermediate/Depot Level Maintenance Instruction, Radio Receiver/Transmitter RT-988A	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1 Technical Manual, Organizational/Intermediate Maint with Depot Overhaul Instructions and IPB, Transponder Test Set, TS-1843A/APX	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1-1 Supplementary Manual, Intermediate Maintenance Instructions for Transponder Test Set, TS-1843A/APX, Utilizing Radar Test Set AN/UPM-137	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-2 Technical Manual, Maintenance Instructions with IPB, Organizational, Intermediate, and Depot, Test Set, Transponder Set, TS-1843B/APX	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track D-102-6039)
TRAINING ACTIVITY: MTU 1011 CNATTU
LOCATION, UIC: NAS Jacksonville, 66051

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AE-230AA-MIB-000 Technical Manual, Intermediate Maintenance with IPB, AN/APX-100(V) Transponder Set	Hard copy	8	Oct 96	Onboard
AE-235AA-MIB-000 Technical Manual, Intermediate and Depot Maintenance with IPB, AN/APM-421 Transponder Test Set	Hard copy	8	Oct 96	Onboard
DOD-HDBK-263 Military Handbook, ESD Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excludes Electrically Initiated Explosive Devices)	Hard copy	8	Oct 96	Onboard
NA 16-30APM239A-2 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Test Set, Transponder Set, AN/APM-239A	Hard copy	8	Oct 96	Onboard
NA 16-30APM245-1 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Simulator Test Set, AN/APM-245	Hard copy	8	Oct 96	Onboard
NA 16-30APM268-1 Manual, Operation and Service Instructions with IPB, Interrogator Test Set, AN/APM-268A and Adapter Cable Assembly P/N 121981	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-2 Tech Manual, Intermediate and Direct/Gen Support Maint w/ Depot Overhaul Inst, Rcvr-Trsmtr, Radio, RT859/APX72, RT859A/APX72 and Mount MT3908/APX72	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-3 Technical Manual, IPB, Receiver-Transmitter, Radio, RT-859/APX-72, RT-859A/APX72 and Mounting MT-3908/APX-72, MT-3948/APX-72	Hard copy	8	Oct 96	Onboard
NA 16-30APX76-2 Technical Manual, Maintenance Instructions, Intermediate and Depot, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 16-30APX76-3 Technical Manual, Illustrated Parts Breakdown, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard
NA 16-30UPM137-6-1 Technical Manual, Operation, Maintenance, and Maintenance Standards for Radar Test Set, AN/UPM-137A	Hard copy	3	Oct 96	Onboard
NA 16-30UPM137-7 Operators Manual for Radar Test Set, AN/UPM-137A	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-1 Technical Manual, Operations, Organizational and Intermediate Maintenance Instructions, AN/UPM-155 Radar Test Set, Chapters 2 and 8	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-2 Technical Manual, Maintenance Instructions, Organizational and Intermediate, Radar Test Set, AN/UPM-155, Chapters 1, 3, 4, 5, and 6	Hard copy	8	Oct 96	Onboard
NA 16-35C6280-1 Tech Manual, Org/Field/Intermediate/DS,DG, and Depot Maint w/ IPB, Control, Transponder Set, C-6280(P)/APX, C-6280A(P)/APX, C-6717/APX, and C-7483/APX	Hard copy	8	Oct 96	Onboard
NA 16-35RT988-1 Technical Manual, Intermediate/Depot Level Maintenance Instruction, Radio Receiver/Transmitter RT-988A	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1 Technical Manual, Organizational/Intermediate Maint with Depot Overhaul Instructions and IPB, Transponder Test Set, TS-1843A/APX	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1-1 Supplementary Manual, Intermediate Maintenance Instructions for Transponder Test Set, TS-1843A/APX, Utilizing Radar Test Set AN/UPM-137	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-2 Technical Manual, Maintenance Instructions with IPB, Organizational, Intermediate, and Depot, Test Set, Transponder Set, TS-1843B/APX	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-102-4052, Combined Electronic Identification (IFF) Intermediate Maintenance (Track E-102-6039)
TRAINING ACTIVITY: MTU 1038 CNATTU
LOCATION, UIC: NAS Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AE-230AA-MIB-000 Technical Manual, Intermediate Maintenance with IPB, AN/APX-100(V) Transponder Set	Hard copy	8	Oct 96	Onboard
AE-235AA-MIB-000 Technical Manual, Intermediate and Depot Maintenance with IPB, AN/APM-421 Transponder Test Set	Hard copy	8	Oct 96	Onboard
DOD-HDBK-263 Military Handbook, ESD Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excludes Electrically Initiated Explosive Devices)	Hard copy	8	Oct 96	Onboard
NA 16-30APM239A-2 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Test Set, Transponder Set, AN/APM-239A	Hard copy	8	Oct 96	Onboard
NA 16-30APM245-1 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Simulator Test Set, AN/APM-245	Hard copy	8	Oct 96	Onboard
NA 16-30APM268-1 Manual, Operation and Service Instructions with IPB, Interrogator Test Set, AN/APM-268A and Adapter Cable Assembly P/N 121981	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-2 Tech Manual, Intermediate and Direct/Gen Support Maint w/ Depot Overhaul Inst, Rcvr-Trsmtr, Radio, RT859/APX72, RT859A/APX72 and Mount MT3908/APX72	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-3 Technical Manual, IPB, Receiver-Transmitter, Radio, RT-859/APX-72, RT-859A/APX72 and Mounting MT-3908/APX-72, MT-3948/APX-72	Hard copy	8	Oct 96	Onboard
NA 16-30APX76-2 Technical Manual, Maintenance Instructions, Intermediate and Depot, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 16-30APX76-3 Technical Manual, Illustrated Parts Breakdown, Interrogator Sets, AN/APX-76A(V), AN/APX-76B(V), and AN/APX-76C(V)	Hard copy	8	Oct 96	Onboard
NA 16-30UPM137-6-1 Technical Manual, Operation, Maintenance, and Maintenance Standards for Radar Test Set, AN/UPM-137A	Hard copy	3	Oct 96	Onboard
NA 16-30UPM137-7 Operators Manual for Radar Test Set, AN/UPM-137A	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-1 Technical Manual, Operations, Organizational and Intermediate Maintenance Instructions, AN/UPM-155 Radar Test Set, Chapters 2 and 8	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-2 Technical Manual, Maintenance Instructions, Organizational and Intermediate, Radar Test Set, AN/UPM-155, Chapters 1, 3, 4, 5, and 6	Hard copy	8	Oct 96	Onboard
NA 16-35C6280-1 Tech Manual, Org/Field/Intermediate/DS,DG, and Depot Maint w/ IPB, Control, Transponder Set, C-6280(P)/APX, C-6280A(P)/APX, C-6717/APX, and C-7483/APX	Hard copy	8	Oct 96	Onboard
NA 16-35RT988-1 Technical Manual, Intermediate/Depot Level Maintenance Instruction, Radio Receiver/Transmitter RT-988A	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1 Technical Manual, Organizational/Intermediate Maint with Depot Overhaul Instructions and IPB, Transponder Test Set, TS-1843A/APX	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-1-1 Supplementary Manual, Intermediate Maintenance Instructions for Transponder Test Set, TS-1843A/APX, Utilizing Radar Test Set AN/UPM-137	Hard copy	8	Oct 96	Onboard
NA 16-35TS1843-2 Technical Manual, Maintenance Instructions with IPB, Organizational, Intermediate, and Depot, Test Set, Transponder Set, TS-1843B/APX	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance
(Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT New River

LOCATION, UIC: MCAS New River, 02021

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AE-230AA-MIB-000 Technical Manual, Intermediate Maintenance with IPB, AN/APX-100(V) Transponder Set	Hard copy	8	Oct 96	Onboard
AE-235AA-MIB-000 Technical Manual, Intermediate and Depot Maintenance with IPB, AN/APM-421 Transponder Test Set	Hard copy	3	Oct 96	Onboard
NA 01-1A-23 Technical Manual, Standard Maintenance Practices, Electronic Assembly Repair	Hard copy	3	Oct 96	Onboard
NA 16-30APM239A-2 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Test Set, Transponder Set, AN/APM-239A	Hard copy	3	Oct 96	Onboard
NA 16-30APX72-2 Tech Manual, Intermediate and Direct/Gen Support Maint w/ Depot Overhaul Inst, Rcvr-Trsmtr, Radio, RT859/APX72, RT859A/APX72 and Mount MT3908/APX72	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-3 Technical Manual, IPB, Receiver-Transmitter, Radio, RT-859/APX-72, RT-859A/APX72 and Mounting MT-3908/APX-72, MT-3948/APX-72	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-1 Technical Manual, Operations, Organizational and Intermediate Maintenance Instructions, AN/UPM-155 Radar Test Set, Chapters 2 and 8	Hard copy	3	Oct 96	Onboard
NA 16-30UPM155-2 Technical Manual, Maintenance Instructions, Organizational and Intermediate, Radar Test Set, AN/UPM-155, Chapters 1, 3, 4, 5, and 6	Hard copy	3	Oct 96	Onboard
NA 16-35C6280-1 Tech Manual, Org/Field/Intermediate/DS, DG, and Depot Maint w/IPB, Control, Transponder Set, C-6280(P)/APX, C-6280A(P)/APX, C-6717/APX, and C-7483/APX	Hard copy	8	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NAVEDTRA 10088-B1 Digital Computer Basics	Hard copy	3	Oct 96	Onboard
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OPNAVINST 5100.23B Naval Occupational Safety and Health (NAVOSH) Program Manual	Hard copy	3	Oct 96	Onboard
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CIN, COURSE TITLE: C-102-4049, AN/APX-72 and AN/APX-100(V) IFF Transponder Intermediate Maintenance (Track M-102-6413)

TRAINING ACTIVITY: CNATT MARUNIT Cherry Point

LOCATION, UIC: MCAS Cherry Point, 02002

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AE-230AA-MIB-000 Technical Manual, Intermediate Maintenance with IPB, AN/APX-100(V) Transponder Set	Hard copy	8	Oct 96	Onboard
AE-235AA-MIB-000 Technical Manual, Intermediate and Depot Maintenance with IPB, AN/APM-421 Transponder Test Set	Hard copy	3	Oct 96	Onboard
NA 01-1A-23 Technical Manual, Standard Maintenance Practices, Electronic Assembly Repair	Hard copy	3	Oct 96	Onboard
NA 16-30APM239A-2 Technical Manual, Operation and Service/Organizational, GS and Depot Maintenance Manual with IPB, Test Set, Transponder Set, AN/APM-239A	Hard copy	3	Oct 96	Onboard
NA 16-30APX72-2 Tech Manual, Intermediate and Direct/Gen Support Maint w/ Depot Overhaul Inst, Rcvr-Trsmtr, Radio, RT859/APX72, RT859A/APX72 and Mount MT3908/APX72	Hard copy	8	Oct 96	Onboard
NA 16-30APX72-3 Technical Manual, IPB, Receiver-Transmitter, Radio, RT-859/APX-72, RT-859A/APX72 and Mounting MT-3908/APX-72, MT-3948/APX-72	Hard copy	8	Oct 96	Onboard
NA 16-30UPM155-1 Technical Manual, Operations, Organizational and Intermediate Maintenance Instructions, AN/UPM-155 Radar Test Set, Chapters 2 and 8	Hard copy	3	Oct 96	Onboard
NA 16-30UPM155-2 Technical Manual, Maintenance Instructions, Organizational and Intermediate, Radar Test Set, AN/UPM-155, Chapters 1, 3, 4, 5, and 6	Hard copy	3	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NA 16-35C6280-1 Tech Manual, Org/Field/Intermediate/DS, DG, and Depot Maint w/ IPB, Control, Transponder Set, C-6280(P)/APX, C-6280A(P)/APX, C-6717/APX, and C-7483/APX	Hard copy	8	Oct 96	Onboard
NAVEDTRA 10088-B1 Digital Computer Basics	Hard copy	3	Oct 96	Onboard
OPNAVINST 5100.23B Naval Occupational Safety and Health (NAVOSH) Program Manual	Hard copy	3	Oct 96	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
DCNO/DMSO	Analyze MPT Requirements	Aug 81	Completed
PDA	Developed Proposed NTP	Sep 82	Completed
DCNO	Approved NTP	FY82	Completed
PDA	Awarded Production Contract	FY82	Completed
PDA	Promulgated ILS Master Plan	FY82	Completed
PDA	Promulgated Draft NTP (Update) for Review	Nov 82	Completed
TSA	Awarded Curriculum Material Contract	Dec 82	Completed
TSA	Began Cadre Training	Aug 84	Completed
TSA	Began Training Advisory Services	Aug 84	Completed
NAVICP	Established Material Support Date	Oct 84	Completed
TA	Began Initial Training	Apr 85	Completed
TA	Began Instructor Training	Apr 85	Completed
TSA	Delivered Curricula Materials	Aug 85	Completed
TSA	Delivered Technical Training Equipment	Aug 85	Completed
PDA	Achieved AN/APX-100 IOC	FY85	Completed
TSA	Awarded Factory Training Contract	FY85	Completed
TSA	Installed Navy Technical Training Equipment	FY85	Completed
TA	Began Follow-on Training	Nov 85	Completed
NAVICP	Achieved Navy Support Date	Mar 86	Completed
TSA	Conducted Depot Level Maintenance Training	Aug 86	Completed
PDA	Promulgated Draft NTP for Review	Dec 87	Completed
PDA	Developed Proposed NTP	Oct 88	Completed
DCNO	Approved NTP	Mar 89	Completed
PDA	Distributed Draft NTSP (Update) for Review	Jun 99	Completed
NATEC	Distributed Updated AN/APX-100 Intermediate Level Maintenance Manual	Aug 99	Completed
PDA	Developed Proposed NTSP	Feb 00	Completed
OPO	Approved NTSP	May 00	Completed
PDA	Developed Draft NTSP (Update) for Review	Dec 03	Completed

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
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There are no decision items or actions pending.

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL

TELEPHONE NUMBERS

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PART VII - POINTS OF CONTACT

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